

ANNUAL REPORT
2018-2019
BHOOMITHRA SENA CLUB
SACRED HEART COLLEGE (Autonomous)

The Office Bearers



Professor Dr. Midhun Dominic C.D

[Faculty in Charge]



Sanjay Bineesh
[President]



Harikrishnan S.J
[Secretary]



Sona Varghese
[Vice-President]



Shanthipriya Shenoy
[Asst. Secretary]



Abhishek
[Treasurer]



Subuhan
[Program Coordinator]



Seetharam P.
[Public Relation Officer]



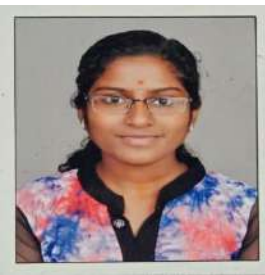
Harishanth K.A
[Asst. Public Relation Officer]



Gopika G.
[Camp Coordinator]



Varsha Varghese
[Asst. Program Coordinator]



Geethu P.S.
[Asst. Treasurer]

Meetings

Total number of meetings conducted: 12

Every month the Bhoomithrasena club meetings were conducted regularly and all the members of the club took part in it actively. Issues relating to the present environment, the planning of the upcoming programs, guidance classes and holistic outlook towards the development of all members .The images attendance roll along with the date in which the meetings were conducted is given below for the consideration of the active functioning of the club.

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
5	Pranav	1000	100%
6	Shikha	1000	100%
7	Nishal K. K.	1000	100%
8	Shan 2000	1000	100%
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10	Arjun	1000	100%
11	Pranav	1000	100%
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15	Rangana	1000	100%
16	Arjun	1000	100%
17	Pranav	1000	100%
18	Shikha	1000	100%
19	Nishal K. K.	1000	100%
20	Shan 2000	1000	100%
21	Rangana	1000	100%
22	Arjun	1000	100%
23	Pranav	1000	100%
24	Shikha	1000	100%
25	Nishal K. K.	1000	100%
26	Shan 2000	1000	100%
27	Rangana	1000	100%
28	Arjun	1000	100%
29	Pranav	1000	100%
30	Shikha	1000	100%

1. 08/06/2018

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
5	Pranav	1000	100%
6	Shikha	1000	100%
7	Nishal K. K.	1000	100%
8	Shan 2000	1000	100%
9	Rangana	1000	100%
10	Arjun	1000	100%
11	Pranav	1000	100%
12	Shikha	1000	100%
13	Nishal K. K.	1000	100%
14	Shan 2000	1000	100%
15	Rangana	1000	100%
16	Arjun	1000	100%
17	Pranav	1000	100%
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19	Nishal K. K.	1000	100%
20	Shan 2000	1000	100%
21	Rangana	1000	100%
22	Arjun	1000	100%
23	Pranav	1000	100%
24	Shikha	1000	100%
25	Nishal K. K.	1000	100%
26	Shan 2000	1000	100%
27	Rangana	1000	100%
28	Arjun	1000	100%
29	Pranav	1000	100%
30	Shikha	1000	100%

2. 15/06/2018

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
5	Pranav	1000	100%
6	Shikha	1000	100%
7	Nishal K. K.	1000	100%
8	Shan 2000	1000	100%
9	Rangana	1000	100%
10	Arjun	1000	100%
11	Pranav	1000	100%
12	Shikha	1000	100%
13	Nishal K. K.	1000	100%
14	Shan 2000	1000	100%
15	Rangana	1000	100%
16	Arjun	1000	100%
17	Pranav	1000	100%
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19	Nishal K. K.	1000	100%
20	Shan 2000	1000	100%
21	Rangana	1000	100%
22	Arjun	1000	100%
23	Pranav	1000	100%
24	Shikha	1000	100%
25	Nishal K. K.	1000	100%
26	Shan 2000	1000	100%
27	Rangana	1000	100%
28	Arjun	1000	100%
29	Pranav	1000	100%
30	Shikha	1000	100%

3. 25/07/2018

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
5	Pranav	1000	100%
6	Shikha	1000	100%
7	Nishal K. K.	1000	100%
8	Shan 2000	1000	100%
9	Rangana	1000	100%
10	Arjun	1000	100%
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26	Shan 2000	1000	100%
27	Rangana	1000	100%
28	Arjun	1000	100%
29	Pranav	1000	100%
30	Shikha	1000	100%

4. 25/07/2018

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
5	Pranav	1000	100%
6	Shikha	1000	100%
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8	Shan 2000	1000	100%
9	Rangana	1000	100%
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14	Shan 2000	1000	100%
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25	Nishal K. K.	1000	100%
26	Shan 2000	1000	100%
27	Rangana	1000	100%
28	Arjun	1000	100%
29	Pranav	1000	100%
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5. 13/11/2018

Sl. No.	Name	Roll No.	Attendance
1	Nishal K. K.	1000	100%
2	Shan 2000	1000	100%
3	Rangana	1000	100%
4	Arjun	1000	100%
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6. 13/11/2018

1) Anish T. V.	
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7. 29/11/2018

1) Anurag P. V.	
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8. 04/01/2019

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9. 09/01/2019

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10. 09/01/2019

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11. 30/01/2019

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12. 10. 08/02/2019

STUDY TOURS

CIAL-AIRPORT VISIT

The world is fast growing. Each day awakens with newer new developments and innovations. All of them demand a lot of energy. Hence nowadays the biggest problem faced by the world is energy shortage. The energy obtained from coal and other non-renewable sources does not meet with the increasing need of current society and they will burnout one day. So inventing a new and efficient method to tackle this problem is very necessary. Here is the importance of renewable energy sources. The very promising way of producing energy for the whole world without having the tension of exhaustibility lies within them. So we the members of Bhoomithrasena Club of Sacred Heart College, Thevara decided to set off for a journey to study about all these renewable sources and their applications .As part of this decision we decided to visit Cochin International Airport Limited (CIAL) one day which is the first fully solar powered airport in the world. As the first step we took permission from the officers at CIAL to visit there one day. We were so excited to visit the largest solar field. On a fine morning of October (06/10/2018) we flagged of our journey to CIAL. Some of the students of environment department of our college also tagged along with us during this journey.

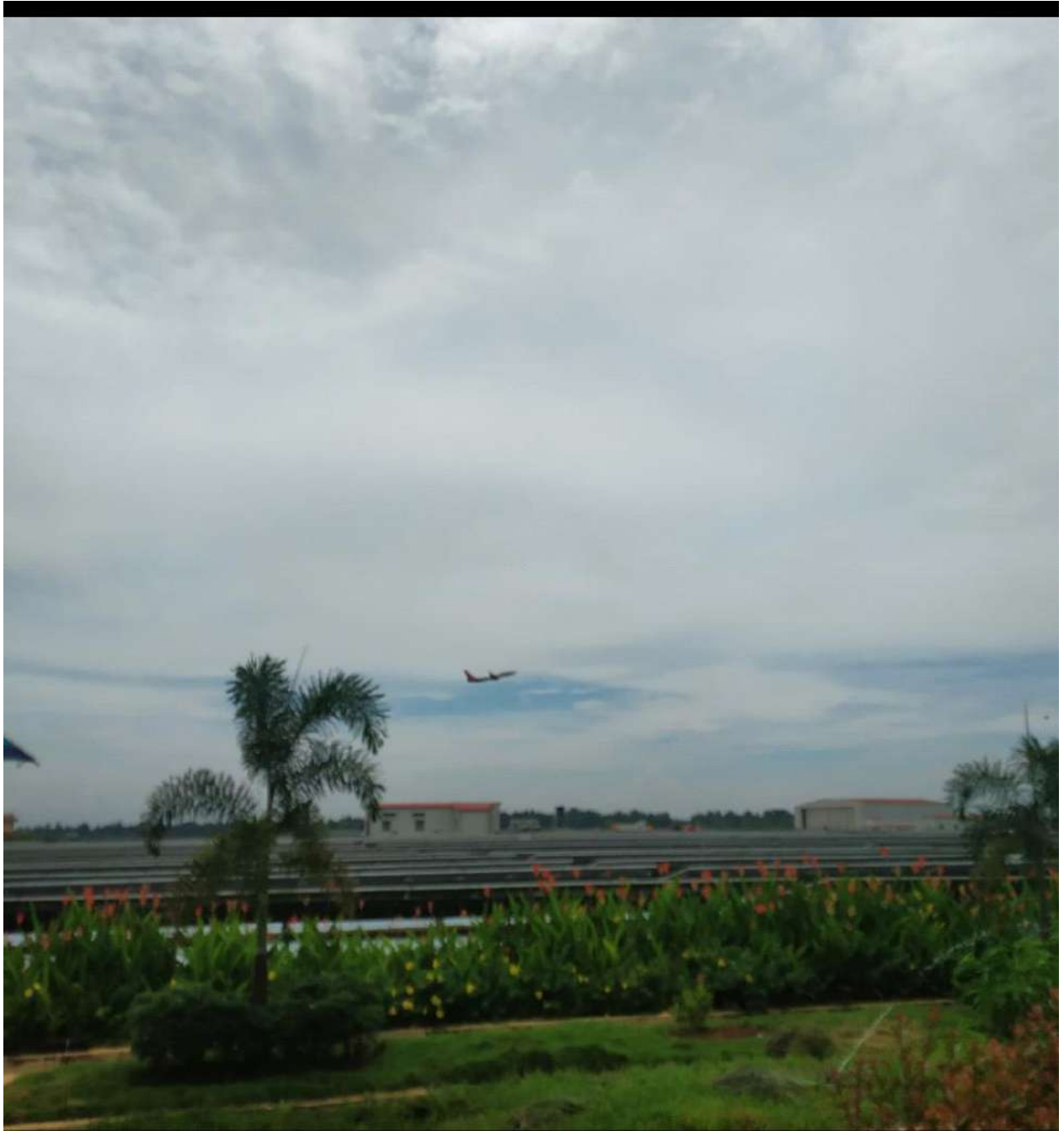
CIAL was quite far from our home but we didn't step back, our desire to explore India's prestigious project was much greater than that. During the journey we met a lot of heartwarming sceneries. As in those days, Kerala was recovering from the flood disaster; we could see the after effects at many places. We chitchatted, sung songs and had heating discussions during that long journey. After 4 hours of tiring journey we reached at CIAL around 12 pm. The securities lead us to the parking lot. There we could see the greyish coloured silvery lined panels shining brightly in the sunlight. We could see the whole parking lot was roofed with thousands and thousands of solar panels. They were all facing the sun courageously and preserving his energy. We were actually amazed by the vastness of this solar farm. The plant comprises 46,150 solar panels laid across 45 acres near the international cargo complex. The plant has been installed by the German- based M/s Bosch Ltd. It is capable of generating 50,000 units of electricity daily, and data acquisition system, through which remote monitoring is carried out. The project components include PV modules of 265 WP capacity manufactured by Renesola, and inventers of 1 MW capacity manufactured by ABB India. It is coupled with 1.1 MW solar plant that was commissioned in 2013. This plant was installed by EMVEE Photovoltaic Power Private Ltd. 4000 numbers of onocrystalline modules of 250 WP with 33 numbers of 30KW capacity delta make string inverters were used in this plant, which is the first Megawatt scale installation of solar PV system in the state of Kerala. The plant system is without any battery storage as it is directly connected to the KSEB grid. CIAL gives as much power as it produces to the grid, and buys back to the power from them as needed, especially at night. This promising project not only gives a sustainable energy source but also environment friendly. The green power project will not result in any carbon dioxide emissions over the next 25 years. It will produce a clean source of energy equivalent to energy produced from coal-fired powered power plants burning more than 3 lakh metric tons of coal. This plant also provides a carbon offset equivalent of planting 30 lakh trees. CIAL sets an example by effectively utilizing the buffer zone area. Not only the production of energy they are also encouraging organic farming. In the shades of solar panels they are cultivating organic vegetables and selling it too. The recent flood created some ruckus in the solar farm, they've cleared it and energy production restarted. Then we spent about 1 or 2 hours there observing the solar farm. We understood the advantages of solar energy and its future also. An energy source without harming the nature will be the future generation's choice and solar is the best option they can have. We have also planned to install one such panel in our college so that a part of the energy needed for the college can be produced from the sun. It was such an amazing experience to visit the solar installation as we could see our futures shining through the wonderful oculus.



Ardent environmentalists with the CIAL



Go clean with a smile n' solar- BMC members



Garden of Solar panels- future's Eden



Panels to "light up" our energies

OBSERVATION OF NATURE DAYS

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH WORLD ENVIRONMENT DAY *JUNE 5 – 27, 2018*

With regard to the world environment day celebrations, the Bhoomithrasena Club of Sacred Heart College, Thevara conducted various programs, relating to the importance of the day, which spanned a period of about one month. The focal theme of the observation was “Beat Plastic Pollution”. As we knew that that plastic has been such a menace to the environment in recent times and that awareness about its derogatory effects could in some way cause the public to sense the graveness of the problem, the club was more oriented towards conducting awareness seminars, classes and mass programs. The ultimate aim was to, in up to some effect, control plastic pollution and excess usage and to make Thevara and the surrounding areas to be more vigilant towards the use of these inorganic frets. From day one our activities were focused on the theme and we have succeeded in our mission as we look back this month.

Environment Day, 5 June 2018

The activities were kicked off on June 5th, when we conducted a public awareness and speech session on the college portico at 9.00 a.m. about the harmful effects that plastic is doing to our environment. Throngs of students and lecturers took part in it and were wholesome listeners to the speeches given by our budding ecologists. After that we planted saplings in the college premises and took the pledge that we would look after them till they mature unlike other programs where only the planting happens but not the nurturing. Our Faculty In Charge, Dr. Mithun Dominic C.D rooted the first sapling and symbolized the green connection that humans share with nature, leading the way for a 100 tree program that the club is going to undertake in the coming years. We then distributed seeds of several vegetables and plants on the college portico. The seeds were bought from VyttilaKrishiBhavan and included seeds of tomatoes, chillies, brinjals, pulses, gourds etc. all packed into a kit. These could be easily planted in the houses. We gave away 100 such seed kits to all who had a heart for green. We also made some renovations

in our rain-out shelter which we have been raising for the farming of certain cereals. The activities of the day winded up with that.

Rally and Flash mob, 18 June 2018

On 18th June, after torrents of rain had laid on us an episode of holidays, we continued with our programs unabashed by the downpour. We conducted a rally from Thevara Jn. To Shanthinagar Jn. , with posters , placards and dialogues enunciating the distress of plastic pollution and the importance to cease its debilitating reign over us. Bhoomithrasena members and college students took active participation in the rally. We started from Thevara Jn. At about 9.30 a.m. , marched through the heavy traffic marred road of PanditKaruppan as though we were soldiers of the Earth shouting instrumental quotes on plastic pollution and reached Shanthinagar Jn. At about 10.00 a.m. There was a shot session at the Jn. where our FIC gave a brief speech on our effort and aim to drive off plastic. We marched back to the campus where the members of the club displayed an awesome performance of Flash mob. The activities of the day successfully winded up at about 11.00 a.m. with the heed of the coming programs.

Environment Day Competitions, 20 June 2018

It was then time for the students of our college to express their views on our focal theme livdly. As such we gave them a platform to do so on 20th June when we conducted competitions relating to the Environment Day. The following are the competitions conducted and their descriptions:

1) Elocution Competition- What is better for students to express their takes on plastic pollution than the art of speaking. The students were asked to speak up on “Environmental Effects of Plastic Pollution” with 5 minutes as the time limit. The topic was welcoming for them and they spoke their minds out as true orators. There were 14 participants in total. They were jam packed with facts, figures, poems and expressions pertaining to the topic and never failed a second to bring forth their charisma. All of them spoke well and we had a tough competition. Alas, three orators stood out and they the winners of the competition. Merin James of 3rd year Chemistry, Ramshanker of 3rd B.Com Taxation and Manu Thomas of 2nd year Zoology won the first, second and third prizes respectively.

2) Pencil Drawing Competition- Another art in which the students could creatively express their minds on plastic pollution was the art of drawing. The participants were asked to sketch an image related to the topic “Harmful effects of Plastic on the Environment” and were given 1 hour and 30 minutes to do the same. There were seven participants for the competition. We all were buzzed seeing the flow of creativity in all the competitors’ art work and knew that they gave a stiff competition. PriyankaSubhash of 1st M.Sc. Zoology and Neha S. Nair of 2nd B.Sc. Zoology bagged the first and second places respectively.

We wined up the competitions at about 3.45 p.m. and the prizes to the winners were to be distributed on our next session.

Talk Session on Pollution, 25 June 2018

We were all pleased and excited to have Dr. Aravind Kumar, Professor, Department of Environmental Studies, Mahatma Gandhi University Campus as our guest lecturer for the day. We had heard about his expedition to the Arctic and his improvisations on fields of environmental studies and chemistry. He led the talk session on Beat Plastic and Environmental Pollution which we conducted on 25th June at 2.30p.m. in our college.

Dr. Money (Asst. Prof. Department of Zoology) welcomed the chief guest and others to the session. Prior to the talk session of this reverent guest, we had the prize distribution to the winners of the competitions which were conducted related to our environment day programs. Dr. Aravind distributed the prizes. The prize winners were awarded with handsome Cash Prizes and certificates. After that our FIC Dr. Mithun addressed the gathering and gave bits of Dr. Aravind’s achievements and highlighted his acknowledgements throughout the years. He then handed over the stage to Dr. Aravind who enlightened all our minds.

Most of us were whining enough for the topic of talk being such a “bore” one. But as Dr. Aravind began his talk all of us had to pay attention as the talk was not at all like we expected it to be. He did not speak about the rot cause-effect-remedy melodrama in all speeches. Instead he invited our brains to a feast of acknowledging the happenings around us and the need to probe into matters of cause. He spoke not only about pollution but about its history, how it came to being, why humans are involved in it and how our small actions can help deprive it its feed (us). Incorporating the multidisciplinary aspects of pollution, he spoke about how we, in

the need of easy energy have resorted to its clutches rather than finding easier alternatives. He showed us how in the coming era humans would be only a brain with eyes and without limbs due to evolutionary effects. We hope that at least by then we would have found a resolution to tackle pollution and make green the environment. He then showed us beautiful pictures of the Arctic which he took on his expedition there. He said with a sigh that even those regions are not free from pollution and are slowly turning into trash cans. With the example of harmful effluents in the drinking water of Kochi city, which cannot be purified with any method as of now, he shed some light on the graveness of the situation. His approach to plastic pollution and its remedies were largely based on Green chemistry and organic products. He spoke about Green chemistry for our understanding and intonated its applications in real life. The session concluded with his proposals and hopes for a world free from all kinds of pollution.

Following it we had an interactive session where the students could interact with Dr. Aravind, ask questions and get clarifications. The program concluded with Mr. Harikrishnan delivering the vote of thanks. Tea and snacks were given and we winded up at about 4.45 p.m.

GALLERY

Seed Packet distribution



Rally against Plastic Pollution



Flash Mob



Elucution snaps





Art with Pencil





Task Session







Distribution of Prizes



**REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH
WORLD OZONE DAY
CELEBRATIONS-2018**

17-19 SEPTEMBER 2018

WORLD OZONE DAY CELEBRATIONS 2018

Keep cool and carry on!!! The theme is accompanied by the tagline: The Montreal Protocol. The Montreal Protocol on Substances that Deplete the Ozone Layer is an international agreement made in 1987. It was designed to stop the production and use of ozone depleting substances and reduce their concentration in the atmosphere to help protect the earth's ozone layer.

The theme for World Ozone Day 2018 is a motivational rallying call urging all of us to carry on with the exemplary work of protecting the ozone layer and the climate under the Montreal Protocol. The theme has two connotations-that us protecting the ozone layer also protects climate and the Montreal protocol is a „cool“ treaty as personified by its outstanding success.

The day is celebrated not only to commemorate the date on which the Montreal Convention was signed, but mainly to create awareness about how fast the ozone layer is getting depleted. The chief aim to observe this day as an international occasion is to generate a sense of awareness about the ozone layer, how it is formed and what are the methods to stop its depletion.

International Day for the preservation of Ozone Layer is an annual observance. This day plays a very crucial role as it acts as a platform to discuss with friends, family and acquaintances in terms of contributing their share towards the well-being of our planet „Earth“. Various campaigns are also launched that seek the recognition of masses and

through this awareness is spread at a large scale. The day emphasizes on the international efforts to limit the production and release of harmful gases.

World Ozone Day is celebrated on the 16th of September every year. In connection with the same, The Centre for Environmental Studies along with BhoomithraSena Club of Sacred Heart College has successfully organized Ozone Day Celebrations-2018 with the support of Kerala State Council of Science Technology and Environment on 17th September 2018. The following events were conducted in connection with World Ozone Day Celebrations:

1. Popular Lecture
2. Poster Competition
3. Field Trip

INAUGURAL FUNCTION -OZONE DAY-2018

The function started off with a beautiful quote once said by Chief Seattle, “We do not inherit Earth from our ancestors, we borrow it from our children.”

Prayer is a window to opportunity, a door to miracles, a channel for blessings and a path for dreams come true. A beautiful song was sung to invoke the Almighty.

An official welcome speech was given by Dr. Remya R, Assistant Professor, Centre for Environmental Studies and the organizing secretary of the event. She gave a brief introduction about everyone present on the stage.



Fig.1-Welcome address by Dr. Remya.R, Organizing Secretary

Sneha Teresa George of 1st MSc Environmental Science had introduced our chief guest for the day, Dr. E. P. Yesodharan, Professor (Emeritus) at School Of Environmental Studies, Cochin University of Science and Technology.



Fig. 2- Presidential Address by Rev. Fr. Dr. Prasant Palackappillil (CMI), Principal, Sacred Heart College

Dr. E. P. Yeshodharan has done his Masters and PhD from IIT and Post -doctoral experience from Wayne State University of USA, Federal Institute of Technology, Switzerland and University of Helsinki, Finland.

He has done special advanced training from Military Engineering Institute of Chemical Technology, Saratov, Russia; Aberdeen Proving Center, US Army, Maryland, USA; NATO Defense Training Center, Netherlands and NBC Training Center, Swiss Army, Switzerland.

He has held several prominent positions in the Central and State Government. He was the Chairman of Kerala State Biotechnology Commission and Kerala Coastal Zone Management Authority. Dr. E. P. Yeshodharan has also held the position of Technical Advisor on Chemical Disarmament, Ministry of Foreign Affairs, Government of India. He was the Principal Secretary of Science and Technology, Government of Kerala. He has also held the position of Executive Vice President, Kerala State Council for Science, Technology and Environment.

He made a beautiful inaugural address and then inaugurated the function.



Fig. 3- Dignitaries on the dice during inaugural session

Felicitation was given by Rev.Fr. Dr. Jose John, Vice Principal and HOD of Botany Department. Being a botanist he had shared his opinions regarding the relevance of the day. He also appreciated everyone for taking an effort to bring awareness regarding the depletion of ozone layers.

Dr. Raju M.K, Associate Professor and Head of zoology department had joined us and made it a splendid morning by showing his support. He too had addressed the gathering.

It was then Dr. T.J James, the coordinator of Centre for Environmental Studies who felicitated us. His kindness and support made this day possible.

Vote of thanks was delivered by Dr. Sudha Sajeev, Assistant Professor, Centre for Environmental studies. She conveyed gratitude to all the people who had spared their time for being a part of this session on behalf of EVS department and Bhoomithra Sena Club.

1. Popular Lecture

By about 12pm, Dr. E.P Yeshodharn commenced the lecture on the pertinent topic, “Flood or Drought? How the ozone layer is our savior?”

In his presentation, Dr E. P. Yesodharan, stressed the need to protect the ozone layer and also pointed to the tragic consequences awaiting us, if we fail in our mission to

abide by the Montreal Protocol. The seminar was attended by the students and faculty of S.H. College, Thevara.

He started off with the relevance of the focal theme which is about Montreal Protocol. What is Montreal protocol? Why and when was it drafted? It was an international agreement signed by most of the industrialized nations in 1989 to reduce the use of ozone depleting substances which contains Chlorofluorocarbon's (CFC's), halons which releases chlorine and bromine to the atmosphere. He then explained about the greenhouse gases and global warming. The sources for the emissions of CO₂ are our basic households, vehicles, building etc. The growth rate of CO₂ is a frightening alert. As per the records of 2017 it has raised upto 406 ppm and the growth rate is 3.4 ppm/year when compared to the initial years. Changes have to be brought in order to save nature from a pathetic ending.

Next phase of the seminar was about the impacts of sea level rise. Considerably in India we have seen a lot of calamities caused due to the rise of sea levels. Amongst them lies Kolkata and Mumbai, the most vulnerable to life and properties due to coastal flooding. India is among the top 20 vulnerable countries. It includes saline coastal groundwater, endangered wetlands, coastal communities etc.

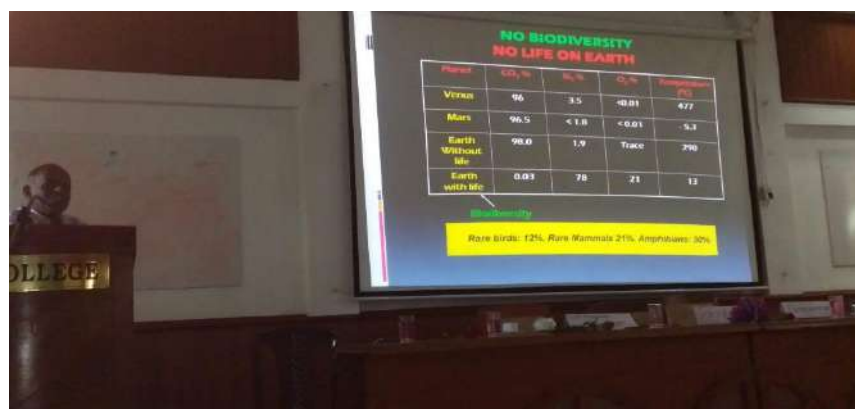


Fig. 4- Dr. E. P. Yasodharan, during his presentation

The stories and the impacts of some of the greatest floods were described. A full length description about the floods in Uttarakhand, Mumbai, Chennai, Kerala

and then about the Passukattavu tragedy. The main reason for all this is the loss of biodiversity, exploitation of wetlands, land, water etc.

Overexploitation, more over can be called the “greediness of man”, has caused drought which had got a lot of lives collapse to the ground. More over the climate change has badly affected the edible crops. A dramatical decrease in the growth rate and so the increase in price rate of maize, rice, wheat and such other crops had affected lives of many as it was not easily available and the price rate had shoot up which was hardly affordable. The number of people under nutritional was high and on this ozone day he was trying to get more on the global hunger. UN reports regarding the same was mentioned. Then once again he was brushing back about ozone layer, its depletion and the worst it can cause to earth. He had given a scientific reasoning to everything he mentioned.



Fig 5- A view of the audience attending the seminar

As he was about to end, he kept reminding that we have to sustain everything for our future generation. Lastly he quoted, “Not just for us, More for them.” The lecture was a true eye opener to all of us as we never went too deep into knowing what the negative impact of ozone depletion was can cause. It was indeed well presented by Dr. E.P Yeshodharan. Some keen students had enquired more about it and was well clarified by Yeshodharan Sir. He was thanked on behalf of all the staff and students present over there by Mrs.Anjana, Assistant Professor of Environmental Science department.

2. POSTER MAKING COMPETITION

Poster making competition was held as a part of ozone day celebration on 17th September 2018 near the Marian hall at Sacred Heart College Thevara. The focal theme for this year 2018 “KEEP COOL AND CARRY ON THE MONTREAL PROTOCOL” was given the topic for the competition. It was organized to bring out the creative talents of our college mates and also to bring an awareness regarding the depletion of ozone layer.

Winners for the Poster making competition;

1st Prize- Malavika Mahesh of 3rd BA Animation, S.H.College, Thevara.

2nd Prize- Reemy Thomas of 1st MSc Environmental Science, S.H.College, Thevara.

3rd Prize-Vaishnavi M of 2nd BSc Zoology, S.H.College, Thevara.

Cash award of Rs.1000, 750, 500 was given to the winners respectively. It was given to the winners by Dr. E.P Yeshodharan.



Fig. 6- A glimpse of the poster exhibition

3. FIELD TRIP

A field trip to Cochin International Airport Ltd (CIAL), was made on 19th September 2018 to study about the non-conventional energy source (solar energy) based on which CIAL has been operating since the commencement of the plant. Cochin International Airport became the first fully solar powered airport in the world with the commissioning the plant. Mr.Jerry John, Junior Manager, CIAL, gave an overall idea about the solar plant.



Fig. 7- Mr.Jerry John, addressing
CIAL
the students at CIAL



Fig. 8- A view of the solar panel at



Fig. 9- The whole team of participants during the field visit to CIAL

The celebrations came to an end with the field trip and the students returned back to their homes with a deep sense of responsibility to protect the ozone layer. The trip has undoubtedly created a sense of concern towards protecting the environment from the use of dreadful pollutants that harm the atmosphere.

INTERNATIONAL MANGROVE DAY-2019

JULY 26 2019

The mangroves are an essential part of the ecosystem with many a life supporting role to play. For humans and animals alike it has acted as a good healer. However we are far from understanding its true potential and for many of us they are just some shaggy old woods near the lake that waste useful fishing space. Keeping in mind their useful nature and the role they play in the ecosystem, the BMC members ventured out into the vast openness of the Nettoor backwaters which is famed for the local “kandalkaadukal”, the mangroves. We chose the International Mangrove day for this purpose as a way of observing the day’s august ideals. The journey to Nettoor was a brisk one and we arrived there at 12.00p.m. After we wandered about the beautiful backwaters, we joined for an assembly where Mr. John a.k.a the Mangrove Man gave us an insight about the pristine mangroves and their ever so important roles in the environment. Then we learned about different types of mangroves and their uses. Being at a mangrove forest our practical knowledge of it was boosted by a lot. Since the mangroves happened to be at the bottom of the Kundannoor Bridge, it was polluted by wastes of all sorts thrown down by the passengers. So we took in a few hours to clean the most polluted part of the forest the most we could. We were able to rid the place of plastics, tins, and other wastes after some heavy cleaning. After an enhancing experience with the mangroves we returned by 4 p.m., keeping in mind the essentiality of them.



REPORT OF ACTIVITIES CONDUCTED
IN CONNECTION WITH
WORLD WETLAND DAY CELEBRATIONS-2019
4TH & 7TH FEBRUARY 2019

World Wetland Day is observed on 2nd of February each year to raise global awareness about the value of wetlands for humanity and the planet. As part of the same, the Bhoomithrasena Club of Sacred Heart College has successfully organized Wetland Day Celebrations-2019, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE), and Directorate of Environment and Climate Change (DoECC) on 4th & 7th February 2019. The following events were conducted in connection with the celebrations:

1. Inter-collegiate competitions
2. A talk on the state of wetlands of the world

The chief of the organizing committee 2019 was Prof. Midhun Dominic (Staff coordinator, Bhoomithrasena, SH College), under whose guidance the whole club members rendered great service for the well organization of the events.

1. INTER-COLLEGIATE COMPETITIONS (4-2-2019)

Several inter-collegiate competitions were conducted on 4th February 2019 at the college. The events for the inter-collegiate competitions were elocution, poster-designing and painting. In total, nearly 40 students took part in various events. We also had great participation from neighboring colleges like St. Theresa's College, Kochi, St. Albert's College, Kochi, Aquinas College, Edakochi, Bharatmatha College, Thrikkakkara etc.

ELOCUTION COMPETITION

An elocution competition was held on the topic 'Importance of Wetlands '.About 15 contestants took part in it, giving neck to neck competition each other. The time duration allotted for a participant was 7 minutes. It became a great opportunity for the participants to showcase and sharpen their oratory skills. Dr.Thommachan Xavier of Dept. of Chemistry and Dr.Sanjose A. Thomas of Dept. of Sociology were the judges. Ms. Mariya Paulachan of Sacred Heart College bagged the first prize. The second prize was secured by Abhishek T S of Bharathmatha College. Cash prizes worth Rs.3000 and Rs.1000 were awarded respectively for the winner and runner up.



Articulation matters, so do our Wetlands !



An emotional pledge might save our Wetlands. . .



Ellocution going on with veneration for the Wetlands.

POSTER-DESIGNING COMPETITION

Students were given an opportunity to showcase their creativity by conducting a poster designing competition, based on the theme 'Conservation of Wetlands'. The theme was given earlier and the participants had to prepare the posters beforehand. A total of 10 posters were. They were exhibited in the college portico and were judged by a panel of experts. Malavika of SH School of Communication won the first prize worth Rs.3000, and Ajith of Sacred Heart College bagged the second prize worth Rs.1000.





Poster of our competition- might bring out another Renaissance

PAINTING COMPETITION

A painting competition was also organized as part of the celebrations at 11:00 a.m. The theme was the recent Kerala Flood which wreaked havoc throughout the state. About 12 students competed each other and they were given a time period of one and a half hour to do the painting. After thorough evaluation by a panel of experts, Malavika of SH School of Communication was given the first prize and Linet of Aquinas College was selected as the runner-up. Rs.3000 and Rs.1000 were awarded to the winner and the runner-up respectively.



Bent over with a passion to excel



A myriad of paint and pomp from our contestants





The prize winning painting, also heart winning.

2. A TALK ON THE STATE OF WORLD'S WETLANDS (7-2-2019)

As a humble attempt to awaken the youth to the threats faced by wetlands today, Bhoomithrasena organized a talk on the current state of world's wetlands on 7th of February 2019. The session was held by Dr. Rajeer Raghavan, Asst. Professor at the Dept. of Fisheries Resource Management, KUFOS, at 3:30 pm in the college auditorium. The session began with a prayer and was followed by welcome address by Rev. Dr. Prashanth Palackappillil, CMI (Principal, SH College) to the chief guest and the gathering. All of the students pursuing degree course constituted the huge audience. The session was indeed thought-provoking that provided an opportunity to realize the need to conserve wetlands. It also shed light into the indiscriminate human activities that lead to the fast disappearance of wetlands-the flood controlling system of nature. The talk came to an end by 4:30 pm with interactive session. Afterwards,

the chief guest was cordially invited to give away prizes to winners of the aforesaid inter collegiate competitions. A gift was presented to Dr.RajeevRaghavan by the SH fraternity as a token of love and gratitude. The assembly dispersed after the proposal of vote of thanks.



An exhortation like none by Dr. Rajeev



Conclusive and elucidative

CONCLUSION

We are quite satisfied that we could make humble attempts to propagate the role played by wetlands in maintaining the balance of the ecosystem and its current pathetic condition, among students.

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH WORLD FORESTRY DAY

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WORLD WATER DAY – 2019

In accordance with the World Forest and Water Day Observation 2019, the Bhoomithrasena Club of SH College had organised an array of programs on the 22nd, 23rd and 28th of March 2019 with the financial support of Department of Environment and Climate Change. The club had organised an invited lecture, sapling distribution, water analysis and survey, different intercollegiate competitions, in connection with these important days. The focal theme “Leaving no one behind” was highlighted for talks and themes of competitions.

The activities of the three day flanked program started on 22nd March 2019. The Bhoomithrasena club of S. H college has organized a one day seminar in connection with world water day-2019 based on the focal theme “nature for water”. Dr. Rajeev Raghavan the famous environmentalist was the chief guest. Dr. Rajeev Raghavan who quite adeptly made us realise the importance preserving our water and forest resources. Dr. Rajeev is an Assistant Professor at the Kerala University of Fisheries and Ocean Studies and is well versed in her topic. Since it was Water Day the topic of interest was quite apt and Dr. Rajeev spoke fluently on the need to conserve water pertaining to his experience and intact knowledge of it. The seminar was started at 9.30 a.m with Prof. Midhun Dominic C.D (FIC Bhoomithrasena Club, S.H College) delivering the welcome speech , Rev.Fr.Joseph John (Vice principal , S.H College)

presiding over the function and Dr. Rajeev Raghavan inaugurating the function . Dr. K.B Jose (H.O.D Chemistry) gave the felicitation and presented Dr. Rajeev with a classy memento. After the talk students and teachers asked questions and made the session lively and more informative. The second technical session was handled by Dr. T.J James (Professor, Centre for Environmental Studies, S.H College). After the lunch 9 research scholars presented their research paper. The session ended at 4.00p.m with Prof. Midhun delivering the vote of thanks. On the next day, March 23rd, different intercollegiate competition. The activities are listed as follows:-

Poster making Competition : An intercollegiate poster competition was held based on the topic “Save Water , Save Life” on the day from 1.00p.m to 2.30 p.m. A handful of participants participated and amazed us with their innovative takes. The posters were judged by Dr. Tom C Thomas and Dr. Shijo N. Mathew. Ms. Karthika Mohan Das of S.H School of Communication bagged the first prize with her intriguing poster. Cash prize along with Medal and certificate were awarded to the winners.

Sapling Distribution : As part of the forestry day celebration Bhoomithrasena volunteers distributed 100 vegetable saplings to the people around Thevara. They have also planted medicinal plants in the college herbal garden.

Water analysis and water survey: The volunteers of Bhoomithrasena Club visited 10 houses (from 23rd March to 31st Marh) near to the college and collected water samples from well, tap and bore well. They have analyzed different water quality parameters and the results were given to the house owners (free service).

Water pots for birds

The installation of water pots for birds in the campus were initiated by Bhoomithrasena volunteers. About 10 pots were arranged in the college campus for this purpose.

With all these dynamic programs our 2 Day World Forest & Water day observation saw its lavish curtains. It was a good program and received good appraise from many faculties and students as well as other colleges. We thank everyone who worked day in and out to make this program a success, especially DOECC for the funding and support.





Sapling distribution by Bhoomithrasena volunteers





Water analysis by Bhoomithrasena volunteers



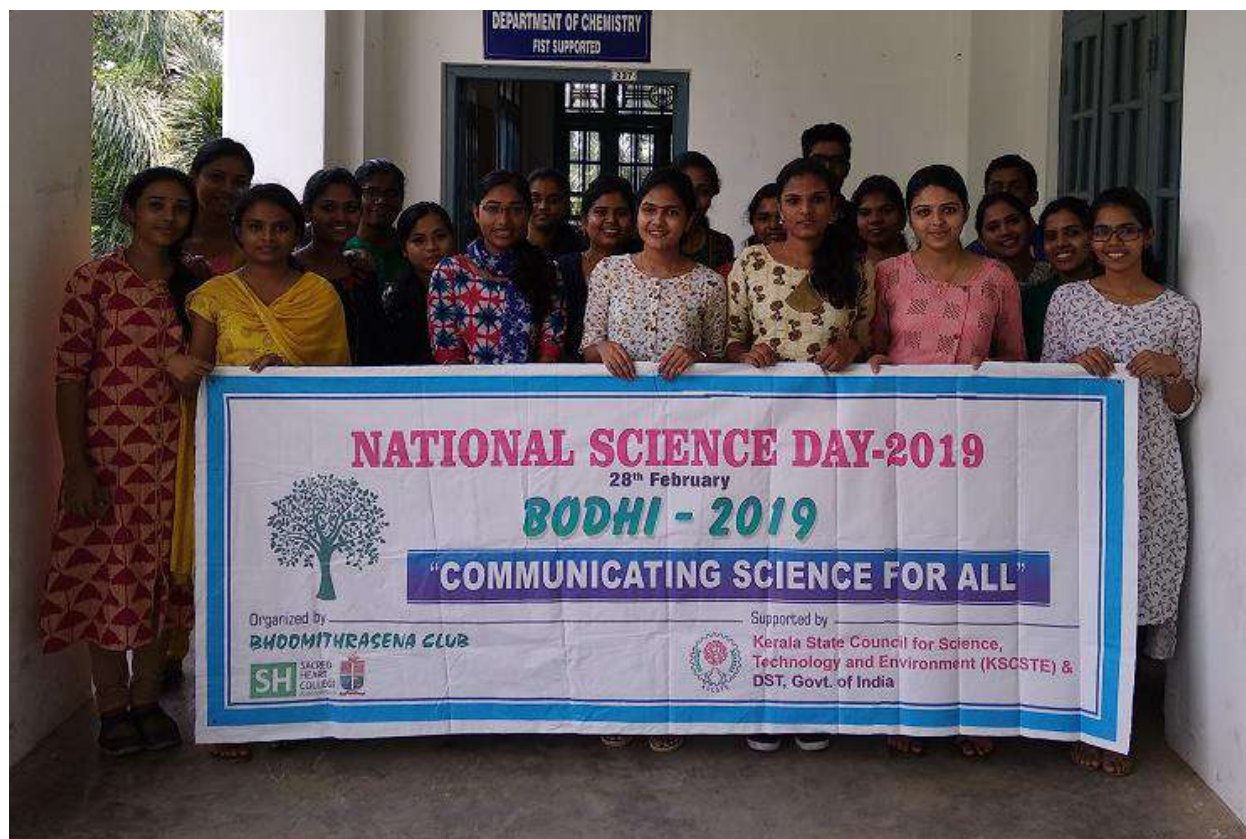
Installation of water pots for birds by bhoomithrasena members

REPORT OF ACTIVITIES
CONDUCTED IN CONNECTION WITH
NATIONAL SCIENCE DAY- 2019
26-28 FEBRUARY 2019

In order to commemorate the discovery of Raman Effect in India by the Indian Physicist Sir ChandrasekharaVenkata Raman in the year 1930, the day is celebrated as National Science day. For his great success in the field of science in India, ChandrasekharaVenkata Raman had been awarded and honoured with the Nobel Prize in Physics in the year 1930. To honour this event, 28th of February is observed as The National Science Day in India by National Council for Science and Technology Communication (NCSTC). A particular theme is selected for every year for National Science Day Celebration. The theme of this year was “Science for the People and the People for Science”.



Portal to the world of science - Química



National Science Day was celebrated at Sacred Heart College, Thevara, Kochi on 28th February 2019 and coordinated by Bhoomitrasena Club.

Based on the theme of National Science Day of this year, to enhance the scientific outlook of People in Science, the club members actively participated on various popular science experiments and conducted a Science Exhibition which is open to the other college students, school students and public.



A scientific outlook is something that is needed.

The preparations for this glorious event were started weeks before. Many meetings including the students and teachers were conducted to share the suggestions and ideas for the coming exhibition and science day celebrations.

The main attraction of the National Science Day celebrations was a magic show, named 'The Magic of Chemistry', which uncovered the wonders of daily life science experiments and principles. A gigantic model of periodic table was built as a tribute to the 'International Year of Periodic Table 2019', with wooden boxes with each cell contains an element. A museum was opened to the public which contains the historical chemical instruments, glass wares and old measuring instruments.

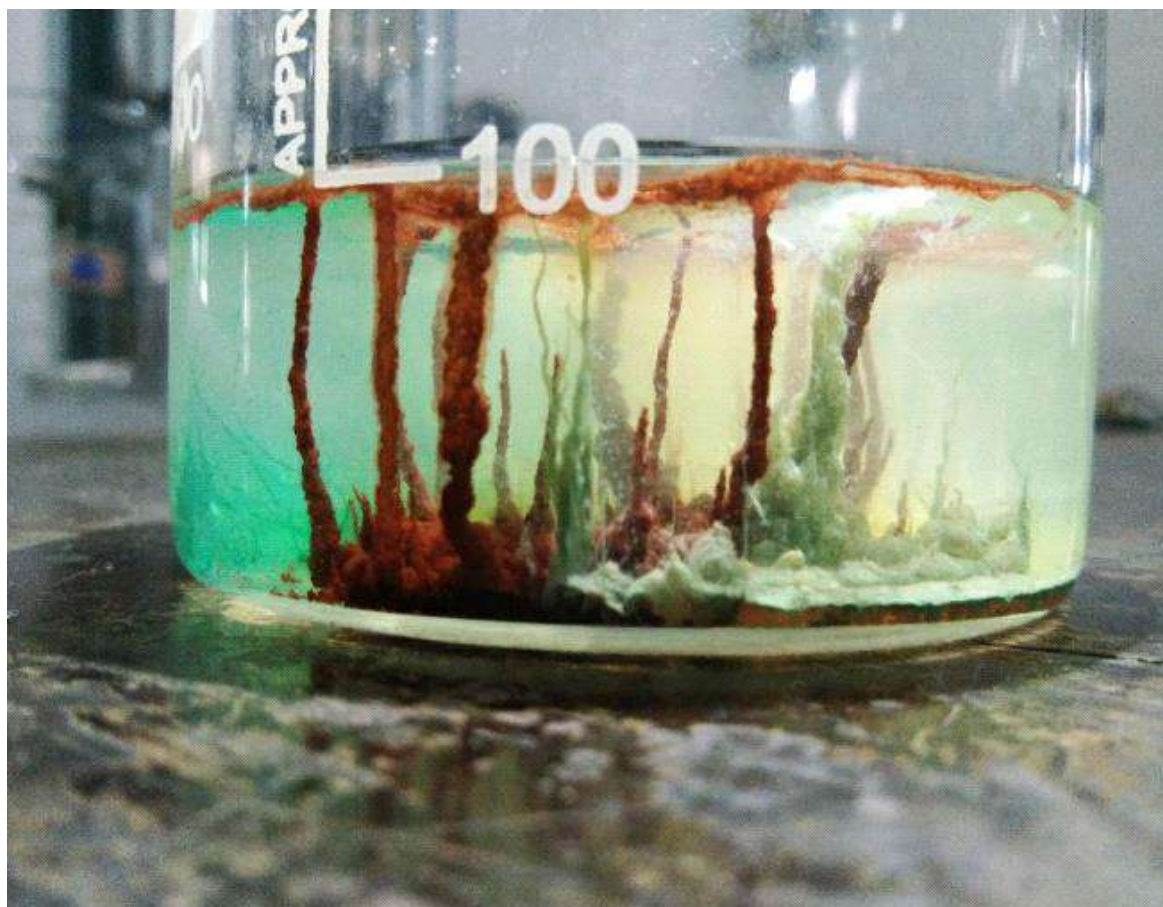


When Science reacts with Magic, the product is wondrously exothermic

Various popular science experiments were conducted, standardized and exhibited before the public and the interactive way of performing experiments spread the awareness of scientific thoughts among the school students and the public and held the theme of the National Science Day 2019, "Science for the People, and the People for Science".

'Chemical Garden' was one of the most attractive experiments conducted. It is an experiment in chemistry usually performed by adding metal salts, such as copper

sulphate or cobalt (II) chloride, to an aqueous solution of potassium hexacyano ferrate or sodium silicate. This results in the growth of plantlike forms in minutes to hours. This was conducted in a large aquariumlike glass tank of 14 L capacity.



Chemical Garden - something that BMT members love!

Next highlight was electrochemical experiments in which the club members explain various electrochemical experiments to the public and this included an 'Aluminium-Air battery', 'Lemon battery' and 'Production of Hydrogen and Oxygen using Electrolysis'.

‘Aluminium-Air’ batteries produce electricity from the reaction of oxygen in the air with aluminium. They have one the highest energy densities of all batteries. The simpler version of an Aluminium-Air battery was made and demonstrated its principle before the public and proved its cost-effectiveness by using only pieces of PVC pipes, Activated Charcoal, Salt solution, Aluminium pieces, nails and copper wires.

Lemon battery was made by connecting copper and zinc electrodes to the lemons arranged in series and thus producing electricity enough to light an LED bulb. The hydrogen and oxygen atoms of water molecule were separated using electricity using graphite electrodes and electricity. These experiments were demonstrated to the school students interactively.



Many experiments were conducted with Dry Ice, the solidified Carbon Dioxide. Using that the students explained how the Carbon Dioxide gas was effectively used in Fire extinguishers and performed a cloudy effect in a dark room using the sublimation of Dry Ice.



When BMT members turn to science.

A dark room was set to display the wonderful world of Fluorescence by setting many fluorescent solutions and materials under UV lamps.



A series of flame tests with methyl alcohol and various salts was also there.





The National Science Day celebrations was concluded with the distribution of certificates for various science day competitions and group photography.



The entire family packed into a single qui-pic.

OBSERVATION PROGRAMS

1. RAIN OUT SHELTER – FARMING

The rain out shelter was built by BMC club as part of the club's undertaking to eco-farming and the members' advertent focus on achieving the pathway to self-procurement of basic food items. The program also served as a beacon for everyone to tap that farmer in themselves who feeds himself and others healthy food. Although the shelter was propped up adeptly last year for the above purposes, mainly to keep the downpour and extra sunlight out, the 'farming' was missing. This was because the club members were already busy with heavy work projects like the gift thilapia, organic farming, vermin - composting etc. So we left the farming inside the shelter to this year. And we did manage the inbound farm very well indeed.

With the active participation of the nature club members headed by Lesley sir, we were all gripped to start the farming by the beginning of October. Firstly, we had to clear the area inside the shelter and its surroundings from the weeds and shrubs that grew there. Then we arranged about 100 soil bags inside the shelter with proper spacing and saw to it that each plant would get the required sunlight and water for its growth. On October 12th, the rain out shelter was inaugurated on the shelter premises itself at 3.30 p.m. Mayor Soumini Jain was the chief guest. She spoke about the importance of self-procurement of food in these times and how man needs to get into the soil like before and collect his treasure from there himself, the treasure being healthy food and hence healthy life. Our principal Rev. Father Dr. PrasantPalackapilly presided over the function and he willed us to a green future in which man stays green and happy being one with the environment and being a great farmer himself at simpler terms. Our FIC, Dr. Midhun ardently spoke on the need of such shelters and their uses and strengths. After some of our teachers and student representatives spoke, the inaugural session was winded up and we all began planting.

All of us quite enthusiastically began planting the young saplings procured from the KrishiBhavan and from the homes of some terrace farming students from ourselves. The Mayor and our principal planted the first sapling and

then we all got into actions. A variety of plants including tomatoes, pulses, spinach and lady's finger were all planted in a multicropping pattern set by Lesley sir, who is a Botanist. After the planting was done we arranged groups to look after the plants and the shelter daily. The groups inculcated members from both BMC and the Nature club. And thus we started a new bond and a new venture that would bear golden fruits in the future.



Cleaning before sowing.



Seed bags make up for a seed tag.



All action set, farming to begin.

2. ORGANIC FARMING

On 22nd December, the members of Bhoomitrasena club of Sacred Heart College, Thevara actively involved in the cleaning of the corridor adjoining the chemistry lab of the college.

The cleaning was done in order to optimally use unused lands and highlight the importance of organic farming .A variety of pulses and leafy vegetables were cultivated. The team which took the initiative to clean and cultivate was led by Sr.Shini (2nd B.Sc. Zoology).The members were successful in removing the wastes that was dumped in the area, which previously resulted in the accumulation of stagnant water.

The team after the removal of waste allowed the soil to get aerated and later the seeds were sown and the plants were taken care of .The project was supported by the college authorities and it achieved its purpose.



Adding some micronutrients for enriching the soil.



The workspace for Organic farming, "Makers Plough".



When the seed sprouted, the green and red bouted.

LONG TERM PROGRAMS

1. GIFT THILAPIA

Food ought to be man's greatest survival hook. But the 21st century food has rather hooked us onto a misfortune of health through a solfege of harsh notes on the tummy and mind. All the ill health can be attributed to man's own inability to manage his greed and craving. This has manifested in the form of chemicals that run in the system of both plant and animal bodies alike leaving us an option of self-farming and productive procurement. Even so this is just a last resort. The fisheries used to be a scene related with fresh splashing fishes and the smell of their raw meat. However now the scenes have changed, we can smell the ammonia and looking at the cold frozen bodies it is hard to judge whether the fishes were just dead or were they ever alive.

It is at such a circumstance that the BhoomithraSena Club of S.H. College has come up with a novel venture of culturing fresh, healthy and chemical free fishes in the campus. This venture was started last year with the effective involved enthusiasm and cooperation of the CMFRI. WE proudly state here that the fish culturing of the previous year was a success and we managed to grow about 100 kilos of Tilapia fish and sold them at a reasonable price too. The money, of course, was second hand satisfaction. What in fact satiated our 'green quench' was the fact that our collective effort managed to pull off this great deed. The task may seem small in regard with the fish industry culturing procurement, but for us the efforts we took and the work we did was a constant reminder that we were truly involved in a noble act. The pulse of the environment was within us.

The Tilapia culturing, made a great hit by our efforts, made us more inspired and we decided to carry the project over to this year too. The prospect seems generous and with our hearts intact the club members are ever so ready to attain last year's 'magnifique' feat. We started the culturing rigorously from 20th June. The Kerala floods had some impact on our culturing as the ponds overflowed and we were unable to check how many fishes had been drained off. When the rains receded

slightly, we promptly got into action. We pumped out excess water from the pond and heaved the fishes inside. Some of the smaller fishes might have escaped but all did not seem grim. When the feed was put it was seen that there were still many active fishes. We made the first harvest by the end of November. And the results were good too. Although we did not manage to attain the bountiful yield as last year, we had enough. About 30 kilos of thilapia were harvested and we are in constant task of breeding more fishes to enhance the yield. There are 4 groups assigned for the caring of the fishes, each group comprising 5 active members each. So each week each of these groups looks after the culturing with prudent eye and care in rotation. They feed the fish regularly, clean the pond compound and area where the fishes are cultured and at times troll in a number of them to see how massive they have become and how healthy they are. The Thilapia groups are headed by Sijo Brother of 2nd year chemistry and the BMC President Sanjay. With their watchful eyes and the efficient work of the group, we are expecting a bountiful yield this year too. It is estimated that we have about 300 fishes remaining in the pond after the first harvest. Thankfully some of the fishes have bred too and we are in a good position to expect such a yield.



Mayer Soumini Jain with the netting.



proper care by providing suitable living conditions.



സ്കൂളിനടിയിൽ സ്കൂളിനടിയിൽ യാത്രക്കാരുടെ പ്രതിഷേധം. തൃശ്ശൂർ, പാലക്കാട്, കോഴിക്കോട്, കണ്ണൂർ തുടങ്ങിയ സ്ഥലങ്ങളിലേക്കു പോകേണ്ട യാത്രക്കാർക്കു ബസ്സുകൾ ഇല്ലാതായതോടെ പ്രതിഷേധിച്ചത്.

ഇന്നലെ രാത്രി ഏഴ് മുതൽ 12 വരെ വടക്കൻ കേരളത്തിലേക്കുള്ള ഒരു ബസ്സുപോലും കണ്ടെത്താൻ സാധിച്ചിരുന്നില്ല എത്തിയില്ല ഇതോടെ നൂറുകണക്കിനു യാത്രക്കാർക്കു വലഞ്ഞത്. കാത്തിരിപ്പ് അധികമായതോടെ യാത്രികർ പരാതിയുമായി സ്റ്റേഷൻ മാനേജറെയും മറ്റു ജീവനക്കാരെയും സമീപിക്കുകയും പ്രതിഷേധിക്കുകയുമായിരുന്നു.

തേവര കോളജിൽ ഗിഫ്റ്റ് തിലോഷിയ മത്സ്യക്കുഷി തുടങ്ങി

കൊച്ചി: അന്താരാഷ്ട്ര ശാസ്ത്രദിനത്തോടനുബന്ധിച്ച് തേവര കോളജിൽ ഭൂമിത്രസേനാ ക്ലബിന്റെയും കേന്ദ്ര സമുദ്ര മത്സ്യവേഷണ സ്ഥാപനത്തിന്റെയും (സി.എം.എഫ്.ആർ.ഐ) സഹകരണത്തോടെ ഗിഫ്റ്റ് തിലോഷിയ മത്സ്യക്കുഷി ആരംഭിച്ചു. പദ്ധതിയുടെ ഭാഗമായി മത്സ്യക്കുഞ്ഞുങ്ങളെ തേവര സി.എം.എഫ്.ആർ.ഐയുടെ കൂട്ടത്തിൽ നിക്ഷേപിച്ചു. സി.എം.എഫ്.ആർ.ഐ മാരിനർ കൾച്ചർ മേധാവി ഡോ.ഇമിൽ ഡി. ജോസഫ് പദ്ധതി ഉദ്ഘാടനം ചെയ്തു.

കോളജ് പ്രിൻസിപ്പൽ ഫാ. പ്രശാന്ത് പാലയ്ക്കപ്പിള്ളിൽ അധ്യക്ഷത വഹിച്ചു. ഭൂമിത്രസേന കോർഡിനേറ്റർ പ്രൊഫ. മിഥുൻ ഡോമിനിക, ഫാ. ടോമി എത്തിവർ പ്രസംഗിച്ചു. ശാസ്ത്രദിനത്തോടനുബന്ധിച്ചു ശാസ്ത്രവും സാങ്കേതിക വിദ്യയും നാടിന്റെ സുസ്ഥിര വികസനത്തിന് എന്ന ലക്ഷ്യത്തോടെ കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സഹായത്തോടെ കോളജ് നടത്തിയ ബോധി 2018ന്റെ ഭാഗമായാണ് പരിപാടി സംഘടിപ്പിച്ചത്.



അന്താരാഷ്ട്ര ശാസ്ത്രദിനത്തോടനുബന്ധിച്ചു തേവര കോളജിൽ ഭൂമിത്രസേനാ ക്ലബിന്റെയും കേന്ദ്ര സമുദ്ര മത്സ്യവേഷണ സ്ഥാപനത്തിന്റെയും സഹകരണത്തോടെ ആരംഭിച്ച ഗിഫ്റ്റ് തിലോഷിയ മത്സ്യക്കുഷിയുടെ ഉദ്ഘാടനം സി.എം.എഫ്.ആർ.ഐ മാരിനർ കൾച്ചർ മേധാവി ഡോ.ഇമിൽ ഡി. ജോസഫ് നിർവഹിക്കുന്നു.



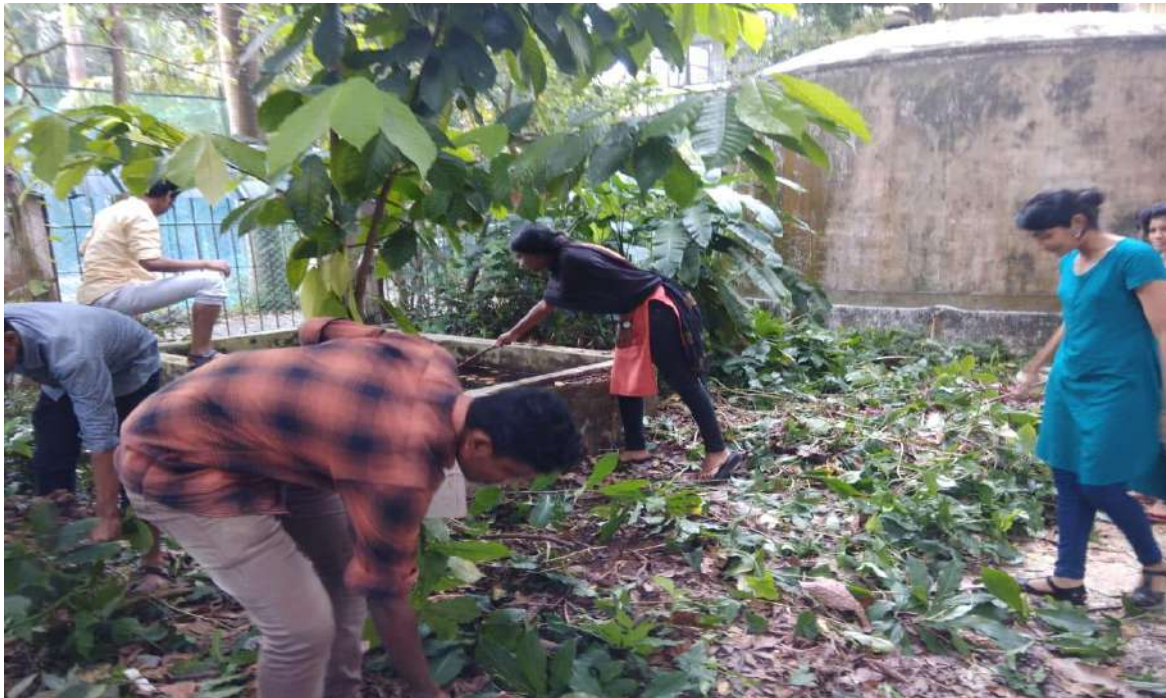


2. NEW HABITAT

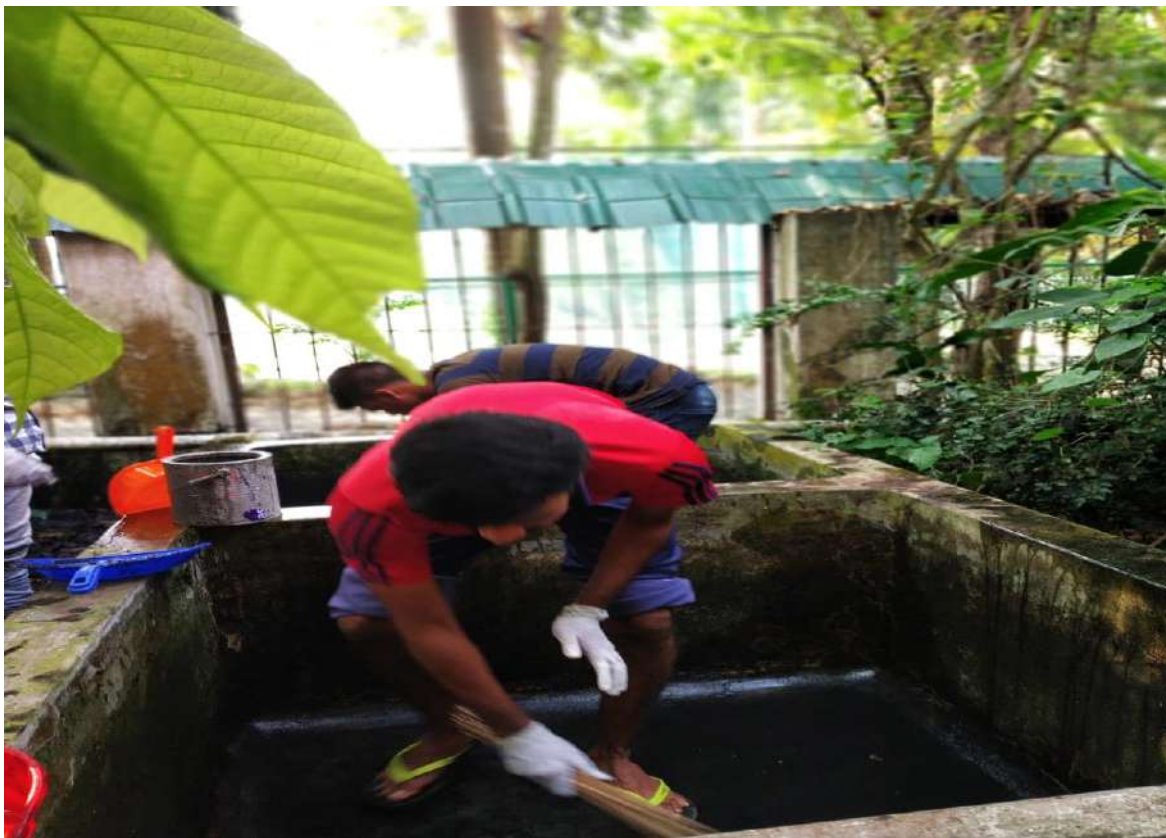
It is always good to have a backup plan for all your ideas lest any unforeseen impediments prop up from nowhere. Thankfully we had one when our thilapia fish culturing was threatened by the college management's decision to level the pond in which our fishes were bred and to deconstruct the surrounding habitat. This was for the new building that the college is planning to build for accommodation of some extra courses and other progressive work. The club members were disheartened when they heard the news and were almost about to protest. But then we acknowledged the fact that our college being the Model Green College and our principal aptly being called the 'PachchaManushyan', the college might have been in a tight to make such a decision. Furthermore they consulted the matter with our FIC, Dr. Mithun and we official members came up with a backup plan which in fact was already envisaged by our FIC before! And so we let progress of the college to work out and instead of shrinking to the shadows of the concrete buildings to come, we mustered up courage and emerged with our back up. It was to move our fishes to the elegant tanks that were under the Aquaculture and Zoology Department of our college. The tanks were initially the spot for the research purposes of scholars under those departments but now they were empty. . And so we used those tanks to culture our fishes.

The tanks as they were called were a huge concrete tank tiled at its inner surface area with a small auxiliary compartment and a large main compartment. The tanks were in a dilapidated condition. It was filled with rotten leaves, new falling leaves, some aquatic insects and the bottom was a black floor of grinded sludge of sand, leaf and dead remains of some organisms. So initially we had to clean the tank thoroughly before we could do anything with it. Ten work hungry members of the club met at the site behind the campus at 10. a.m. where the tank was, all ready with tools to clean the tank and the surroundings. The water in the tank had a bad smell but none that could shove us away. It took great will to empty the tank of the water scoop by scoop, the old way as our college motor was nonfunctioning at the time. We then washed the tank with water and then filled it up three quarters with fresh water. Then we cleaned the surrounding area which was alike a jungle owing to its remote location and deserted condition. Nevertheless we were able to convert it into our own Aquaria Spot. There were of course some problems on the way of cleaning, from getting bitten by stinging ants to cutting ourselves slightly with an axe. But none of it could dampen our spirits.

By 4.15 p.m. the work was done. The water left to stay for three days and the next day we were heftily involved in transferring our thilapia assets to our new 'pond'.



A better surroundings make for a better habitat.





A compartment to store for.

It was not an easy job to transfer the fishes. It took us two whole days with late night works. With the assistance of Brother Tom from the college Monastery we used nets to round up and catch about 250 fishes of varying sizes. It seems that the heavy rains and the change in the surrounding environment had affected the fishes with some of them having irregular sizes for their age and different breeding habits. But their health was not compromised and that itself was a relief. The fishes caught were put inside containers and were transported carefully to the tanks and deposited. The experience of it made us all wander back into our childhoods when we used to go out fishing in the nearby water bodies. With each throw of the net the amount of

fish caught was dwindling and we were slightly sad. But when the net was thrown further to the center of the pond and towards the bayside corner the number and the size of the thilapia caught increased dramatically. It was as if they were waiting, like pearls hidden in the ocean, to be discovered. And our spirits rose alike with their manifold capture. We laboriously counted each fish separating the small and the big ones and were happy to see that our estimated numbers actually rounded off. Then we carried the whole lot of them to the arranged tanks where the smaller fishes were dropped onto the auxiliary compartment and the larger ones to the main compartment where they could breed. Then the thilapia culturing groups became active once again and did their duties dutifully. The fishes have grown over time and have bred reasonably too. We are expecting to harvest them by June this year as a flagging off of the Bhoomithrasena Club activities for the next academic year.





Night time fishing is at harking.



After a Night's work!

3. CHEKKUTTY DOLL MAKING PROGRAM

The Chekkutty Doll making Program was one of the socially-relevant initiatives of Bhoomithrasena. The objective of the program was to extend a helping hand to the weavers of Chennamangalam whose lives were hard hit by the flood in August. The major project associated with the program was the Chekkutty Doll making Competition which was driven to success in the following manner:

PART 1: CLUB MEMBERS ATTENDED A TRAINING SESSION

As the primary step of the program, a group of 10 members of BMC attended a 1-hour training session on Chekkutty Doll making on 10 December 2018. They were trained by Mrs. Mini, a cloth-designer, at her boutique Keyara in Maradu. The trainer also provided them with clothes and threads from the weavers damaged during the floods to practice and propagate Chekkutty making.





PART 2: TRAINING ON CHEKKUTTY MAKING FOR THE INTERESTED ONES

On 4 February 2019, a training session on the doll making was organized in the college for the interested ones from 3:30pm to 4:30pm by those who got trained from Keyara.









PART 3: CONDUCTED THE DOLL MAKING COMPETITION

The authority of Bhoomithrasena decided to hold a competition on the doll making in the college. Students were instructed to compete in groups of two. Each group was provided with clothes and threads to make as many dolls as they could. The teams were allowed to take the materials with them, ie, the process of doll making was not done under the inspection of the authority. There were a total of 5 groups. Perfection, along with the number of dolls was the criterion for judgement. The competition began on 7 January 2018 and was concluded on 25 January 2018.

PART 4: JUDGEMENT AND RESULT

The dolls made by each of the teams were thoroughly judged by the ones who received prior training. The result was declared on 1 February 2018. The team consisting of Amitha (2nd year chemistry) and Krishnapriya (2nd year chemistry) bagged the first prize.

In total, as many as 150 dolls were collected from the five teams. They were handed over to the Keyara boutique. The boutique authority, after tagging the dolls with Chennamangalam seal, sold them and gave the money to the weavers. Thus it became our humble attempt to support the weavers overcome their plight.

4. KADAVU

The members of Bhoomithrasena Club undertook clearing and cleaning of a wasteland and renamed it Kadavu. Kadavu provides as a recreational space and a place for small, informal gatherings for students and teachers of the college. It is a calm and peaceful area away from the noisy crowd on the playground, by the shore of the Vembanad Lake and we get an opportunity to enjoy the peace and quiet in the serene lakeside environment amidst the trees and coconut palms. We prepared the Kadavu by reusing non bio-degradable waste. Worn, used tyres are stacked artistically to provide seats. The seats are arranged under a tree to provide shade. Decorations made of waste materials are hung from its branches on special occasions. Plants are grown in torn shoes which were found abandoned on the playground. Sections of PVC pipes are also used. Left over flooring tiles and marble blocks are used as decorations.

WE thus showed great enthusiasm in creating a place among nature and showed the longings of a true Bhoomithra soldier



MAJOR ACTIVITIES OF THE CLUB

1. SHUCHITWA BODHANA YAJNAM

A rally titled SuchithwaBhodanaYajnam was organized by Rajagiri College of Social Science, Kalamaserry. The rally consisted of walking from Advaitashram, Aluva on January 1st to Rajagiri College of Social Science and Business school, Kakkanad on January 15th.

The rally was supported by members of Bhoomitrasena Club, NSS, NCC of Sacred Heart College, Thevara when it reached its premises on January 11th. Several Placards and slogans were raised in order to support the view of protecting and preserving nature. The rally mainly emphasized the need for cleanliness and proper waste management along the conservation. Eminent persons -Fr.PrashanthPalackapillil (Principal, SH College, Thevara),

Fr.Pittappilly (Renewable Energy Centre, Mithradham) spoke to the gathering. They emphasized the need to create such awareness and appreciated the supporters for their coordination and dedication. The threats that our environment face and their harmful effects were also discussed.

The gathering consisted of playing songs and reciting anthem that were mainly based on nature conservation. The rally was conceived by Renewable Energy Centre, Mithradham and the authorities stayed for a day in the college and continued the rally so as to pave a way for greener future.



Placards and slogans up for the motto



Fr. Pittapilly with a great oration

2. PARISTHITHIKAM 2018-'19

Paristhithikam was a one-day hands-on training camp organized by Kottappuram Integrated Development Society(KIDS),Poyya,Thrissur,with the support of the Directorate of Environment and Climate Change(DoECC).KIDS is the official organ of the Diocese of Kottapuram for social action. Ever since its inception, the Society has been striving hard for the development of the poor and marginalized and conservation of nature. The training was held on 25th of January 2019 at Poyya, Thrissur.The major objective of the camp was to promote the use of eco-friendly products made of natural biodegradable materials. It also emphasizes the reduction

of plastic usage which can alleviate environment pollution and its drastic effect on climate.

Sanjay Bineesh, Ajai T G, Caroline Vincent and Sona Varghese were the 4 selected BMC members who represented our college in the camp. As many as 50 students from various schools and colleges took part in the camp. Most of the students were from the Thrissur district itself and ours was the only college from the District of Ernakulam to take part in the camp. After registering the names, the inauguration ceremony began at 9:30am. The administrator of KIDS, Sr. Mercy extended a warm welcome to the gathering and enlightened them with the urgent need to uphold sustainable development. She also threw light into the various ventures of KIDS that are essentially focused on nature conservation. Mr. Shant Kumar the representative of DoECC inaugurated the ceremony and delivered the inaugural address. The meeting was concluded at 10:00am.

The trainings were given mainly in two areas:

1. In cloth bag making (during forenoon)
2. In paper bag, pen and file making (during afternoon)

All the materials for practice were provided by the organizers free of charge.

- **CLOTH BAG MAKING**

During the forenoon session, students were trained by Mrs. Treesa in making bags using unwanted clothes. The training was so useful as the students realized how effective is this method in reducing waste-generation as well as in following the REUSE principle. Students can also make cloth bags on their own instead of spending huge sum on it.

- **PAPER BAG, PEN, FILE MAKING**

The afternoon session was led by Mrs. Lekshmi who trained the students in making paper bags, pens and office files. That too was very interesting as it would make the students self-reliant in making such craftworks that are extremely useful in daily life.

At 3:30pm, the valedictory session began. All of the students gave positive feedbacks to the organizers and expressed their gratitude to the teachers, who were great experts in craftworks, for being so cordial and patient enough to train and perfect them. The meeting got concluded with the distribution of Participation Certificates at 4:30pm. The students also had a nice opportunity to visit the most amazing Craft Museum there.

On the whole, the training camp was so productive that it took students to the wonderful world of craftworks.











3. FORT KOCHI BEACH CLEANING

The Fort Kochi beach may not be as glamorous as Rio's famed Ipanema or Goa's popular Baga but it is one of the most sought after public spaces in God's Own Country. Of historical importance, it has the enviable distinction of hosting Mahatma Gandhi on its golden sands. Four centuries ago, it gained seminal importance with the landing of the Portuguese fleet, helmed by the explorer Vasco Da Gama, an event that opened a new chapter in the history of India.

Down the years, the prestigious beach, compact and pristine, has been at the receiving end of growing, unmindful populace and of careless tourism. Its charm has lost out to filthy environs - heaps of rotting water hyacinth, food waste and plastic litter. The small sand bank is a crowd puller hosting domestic and foreign travellers in hoards. Housing an empty number of festivities and carnivals throughout the year, it is no surprise that the beachside and bay have all been home to a large number of plastic and other truncated wastes. Mindful of the elaborate carelessness of the beach cleaners the beach has further been degraded.

Thus the BMC of S.H College decided to call in a cleaning campaign that would relieve the beach of its unsung misery and would help in a little way to make the beach more appealing. We did the cleaning drive on 26th January, the fateful day in which is Republic was proclaimed. As a matter of fact the day itself had a great significance in which clean drives were organized throughout the country as an action plan for 'Clean Earth, Green Earth' by many NGOs. We started the cleaning by 7.00a.m. Although the breeze was briny, the morning dew's freshness made us more energetic. We were joined in the drive by 'Clean Fort Kochi Foundation', CFF, which was a foundation that was dedicated to cleaning Fort Kochi and its surroundings keeping in mind the increasing pollutant and waste build up there. All our members worked rigorously and some even so dedicated that they didn't even need gloves or masks. The task was huge, cleaning the entire beach from plastics, tins, cans, water bottles, glass wares, discarded kitchen and electronic wastes and all solid masses washed ashore including a whole lot of seaweed. Witnessing our energy and commitment some foreigners who had come there for sight-seeing got inspired and they too generously joined our drive. Exemplary was the participation of the local people and Fort Kochi lovers who extended their kind hands of support too. The drive was then a spectacle itself, BMC members, CFF members, Visitors, Tourists, Locals and

people from various walks of life pledged arm to keep the beach clean and strived hard to do so. BY 8.30a.m., a time more early than we had expected, we completed our drive successfully, with help from all of them. Thus we were able to make Fort Kochi beach, at least to a decimal extent, once again the “Queen of Arabian Sea”













4. NATIONAL SEMINAR FEBRUARY 2019

The National Seminar of the BhoomithraSena Club, Sacred Heart College was conducted with utmost vigor and pomp on the 18th and 19th of February. The inaugural session of the National Seminar on “Sustainable Development and Climate Change” started with the prayer. Welcome Speech was given by Mr. Midhun Dominic C. D., Faculty in Charge of Bhoomitrasena Club of Sacred Heart College, Thevara. Dr. Fr. Augustine Thottakkara CMI, Manager of S. H. College gave the Presidential address. After that, the inauguration of the function was given in a very unique and attractive way, by pouring water from a Vaalkindi, to a tree sapling on a pot, symbolizing the importance of protecting the environment. Following that, the inaugural address was given by Shri. A. V. Ramana, Deputy Chairman of Cochin Port Trust. Dr. Fr. Prasant Palackappillil CMI, Principal of Sacred Heart College, Thevara and T. J. James, Environmental Science Department, S. H. College, Thevara gave the felicitations. Following that, the prize distribution was held and finally Shri. Moncey Vincent, Staff Coordinator of S. H. College delivered the vote of thanks.

Dr. PriyadarsananDharmarajan, Senior Fellow and Program Leader, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bengaluru introduced the theme of the seminar, “Sustainable Development and Climate Change” and the session was chaired by Dr. S. Ganapathy Venkata Subramanian, Professor, Environmental Law and Management, Centre for Environmental Studies, Anna University, Chennai.

The keynote address was given by Dr. P. Mallu, Professor and PG coordinator, Department of Chemistry, JSS Science and Technology University, Mysuru and the talk was on the topic, “Nano and Biomaterials: Path towards sustainable future” and the session was chaired by Dr. Thommachan Xavier, Dean, Research, S. H. College. After that, a valuable talk on “Eco-friendly Handicraft Products” was given by Dr. C. George Varghese, Retired Director (Handicrafts), Ministry of Textiles, Govt. of India.

The first technical session was delivered on the topic, “Challenges in Attaining Sustainable Development Goals under Changing Climate” by Dr. Abhilash S., Department of Atmospheric Sciences, CUSAT and the session was chaired by Dr. Joseph T. Moolayil, Dean, Science, S. H. College. The second technical session was given by Dr. GibyKuriakose, Assistant Professor, Department of Botany, Sacred Heart College on the topic, “Global Scenario of Climate Change and Anthropogenic

Factors on Epiphytic Orchids” and the session was chaired by Dr. K. B. Jose, HOD, Chemistry, S. H. College, and thus concluding the sessions of the first day.

On the second day, the third technical session of the Two-Day National Seminar was given by Dr. E.P. Yesodharan, Professor (Emeritus), School of Environmental Studies, CUSAT on the topic, “Energy Operations for Sustainable Development” and the session was chaired by Dr. Rajeev Raghavan, Assistant Professor, KUFOS. The fourth technical session was given by Dr. Honey John, Hon. Director, Inter University Centre for Nano materials and Devices and Professor & HOD of Polymer Science and Rubber technology, CUSAT, on “Clean Water and Clean Environment” and the session was chaired by Rev. Dr. Jose Thuravackal, Vice Principal, SH College. The fifth and the last technical session of the National S

minar was given by Dr. Grinson George, Senior Scientist, Division of Fishery Resources Assessment, Central Marine Fisheries Research Institute (CMFRI) on the topic, “Climate Change vis-a-vis northern Indian Ocean – Need for realigning future plans” and the session was chaired by Dr. Sailaja G. S. Associate Professor, Department of Polymer Science and Rubber Technology, CUSAT.

A Poster Presentation Competition and Paper Presentation Competition were held as part of the National Seminar. Twenty One posters and Twenty Six Papers were presented by students and research scholars of various universities of India.

The Valedictory function was started at 4.30 pm. Welcome Speech was given by Mr. Midhun Dominic C. D., Faculty in Charge of Bhoomitrasena Club of Sacred Heart College, Thevara. bmhkiuh,./ Dr. Fr. Prasant Palackappillil CMI, Principal of S. H. College gave the residential address. Dr. Imelda Joseph, HOD, Mariculture Division, CMFRI was the Chief Guest. The Two-Day National Seminar, SDACC 2019, was concluded with a lot of ignited minds and potential to become a protector of Earth.

GALLERY

The inaugural function













Valkkondi as the NIsavilakku



Dr. Imelda mam at the inauguration



Dr. Ramana at the inauguration



Dr. Ganapathy at the inauguration



Dr. Joseph John (former H.O.D., Chemistry Dept., S.H College)











Handicrafts Exhibition associated with the Seminar:





The Valedictory Function













NATURE CAMP

In connection with the National Science Day 2018, the BhoomithraSena Club organised a nature camp on April 26,27 2018 to Parambikulam Tiger Reserve which comes under the ParambikulamAnamalai Project(PAP).

Spread across 285 acres of picturesque deciduous forest,theParambikulam Tiger Reserve lies between Nelliampathy and Anamalai Hills. The four indigenous tribes, the Kadar, Malasar, Mala Malasar and Muduvar, guard the rich biodiversity and natural wilderness.

The club members reached the forest check post by 6 o'clock in the morning. The chill morning air and the peaceful sounds of the forest was exhilarating. The club members were allowed inside the reserve only after 3 checkings by the police and forest officials and reached the large well organised dormitory. After breakfast, the park officials arranged an introductory talk on national parks and wildlife sanctuaries in general and on the Parambikulam Tiger Reserve, in particular. An audio visual presentation titled Home was made by officer Sabhya, which was riveting. It gave a brief insight into the history of the Earth and how the ill-considered actions of humans has destroyed its natural balance. Unfortunately, due to a technical glitch, the entire presentation could not be completed. Thereafter a visit was arranged to the museum, intended to introduce visitors to the flora and fauna in the Parambikulam Tiger Reserve and to help them to recognise and identify the various species of animals and birds in the reserve. It was truly educating and the club members had a first-hand opportunity to appreciate the vast diversity in the reserve.

After lunch, the BhoomithraSena members were taken for a safari through the teak forest. As we were slowly driven through the reserve forest we came across gaur, black bear, herds of deer,

elephants, civet cats, lion tailed macaque and smaller monkeys, flying squirrels etc. The safari could see innumerable species of birds including peacock and peahen, wild fowl, bee eaters and numerous other birds. It was a unique experience for city based club members, giving us an opportunity to see those exquisite animals in their natural background. Animals and birds were free and fearless as their environment here is protected and no hunting and harassment is allowed. Though we were taken to select spots, we were unlucky not to get a glimpse of the tiger, the glorious king of the Indian jungles, whom we had come to see in its natural habitat. We were told that only smaller groups were fortunate enough to have the opportunity to see this beautiful and majestic animal which is highly shy of human beings.

The safari visited the three dams located inside the sanctuary on the Parambiar river, the Parambikulam, Thunakkadavu and Peruvuripallam dams. All the dams were well-maintained. Though rowboats can be hired for boating at Thunakkadavu and Parambikulam, club members could not avail the opportunity due to lack of time.

The oldest tree here is the majestic Kannimara Teak, believed to be 450 years old. It is said to be the largest teak in Asia, towering as high as a 20 storied building and with a huge girth of over 25 feet. We were told that the central government has conferred the Mahavriksha Puraskar.

In the evening, we were given a valuable lesson when it was explained that no campfires are allowed in the reserve as a chance accident had caused a campfire to spread and destroy the valuable flora which was found to be irreplaceable. Therefore campfires are not allowed in the Parambikulam Tiger Reserve even in controlled circumstances.

Next day in the morning, club members were taken for a spot of bird watching. The guide pointed out different types of herons, egrets, flycatchers, quails, snipes and falcons. It was a very pleasant and informative experience as the guide was very helpful and pointed out the birds which would have been otherwise been invisible to us due to their natural camouflage.

After breakfast, the camp members were taken for a trek through the forest. It was a beautiful but tough experience. Trekking is carefully monitored and visitors are only allowed inside with an experienced forest guide. We saw pug marks of bear and tiger and the tell-tale marks and territorial markings of these magnificent animals who mark their territory by clawing deep marks on selected trees and by rubbing their scent on the trees. We were taken deep into the sanctuary, clambering over steep rocky trails. In some places the steep incline was rendered difficult and slippery due to thick covering of fallen leaves and vegetation, which formed a spongy covering over the ground. After an exciting trek, the BMC members returned to the camp. A small meeting was held to discuss our experiences and Gopika G. (First year Chemistry) was selected as the best camper. The helpful and informative attitude of the officers and guides in the forest reserve and the exceptional safety and security in the dormitory necessarily requires a mention. Thanking our guides, the club members returned to the city deeply moved by the experience and opportunity we had had to see and interact with a prime example of a well preserved natural reserve. It is truly an experience one would not forget soon.

WE were truly humbled by the marvels of our mother nature and the camp broke open the cocoons of polished society set upon us and we flitted around like beautiful butterflies amidst our mother. It instilled in us many a great wisdom and made us a deep rooted, insightful and Earth loving Bhoomithra Sena.

GALLERY







മീനികൾക്ക് ഭക്ഷണം നൽകരുതെന്നപേക്ഷിക്കുന്നു.
അതവരുടെ സ്വാഭാവിക ജീവിതശൈലികളിൽ
മാറ്റമുണ്ടാകാതെ.

പാർബികുലം
Tiger Reserve



THANK YOU

Report
Boomithrasena Club
(2017-2018)

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH

WORLD ENVIRONMENT DAY-2017

In relation to Environment day Observation 2017, SH College Thevara in collaboration with Kerala state Council for Science, Technology and Environment (KSCSTE) organized a week long observation from 5th to 15th of June at Sacred Heart College, Kochi. The observation comprised invited talks on Science and management of environment, need for the conservation of nature and natural resources. The theme for Environment day, 2017 by KSCSTE “connecting people to nature” was highlighted for talks and discussions.

The activities of World Environment Day- 2017 were inaugurated by Dr. Shijo Joseph (Scientist E1, KFRI) on 5th June 2017 at 10:00 am in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil, CMI (Principal, Sacred Heart College) presided over the function. Dr. T J James (HOD, Environment Science), Dr. Midhun Dominic C D (Programme Co-ordinator), Dr. Gibi Kuriakose (Nature Club Co-ordinator) were present in the function. Dr. Midhun Dominic welcomed the gathering. In his presidential address, Fr. Prasant mentioned the relevance of the focal theme in the present scenario. He also pointed out the need of protecting our nature by green ways. The concept of sustainable development was very much explained. Dr. TJ James and Dr. Jiby Kuriakose facilitated the function. The first technical session was delivered by Dr. Shijo Joseph. It was magnificent and very informative. The topic for the technical session was “Role of remote sensing and GIS”. The concept “connecting people to nature” was well explained and he inspired everyone. He also planted a sapling of ‘Lemon Tree’ in the campus. The second technical session was delivered by Dr. Philipgi T Kanattu (Agricultural officer and organic farm consultant). The topic for the presentation was “Organic farming: Prospects and challenges”. He gave a wonderful lecture on different modern techniques in agriculture like aquaponics, biofarming etc. About 7 research scholars presented their papers. About 100 students were participated in the programme.

Poster competition: An intercollegiate poster competition was held on the topic “Connecting People to Nature” on 8-6-2017. A total of 8 participants were registered for the poster competition. The judges were Dr. Tom C Thomas (Assistant professor, Department of English), Mr. Bijo N Mathew (Assistant professor, Department of English), and Mr. Shijo Varghese (Department of English). Mr. Siju Lonan of St. Paul’s college, Kalamassery was judged the best and was awarded first, Mr. Nikhil M of Sacred Heart College, Thevara was awarded the second prize and Mr. Thomas George of Sacred Heart College, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners.

Elocution competition: An intercollegiate competition was held based on the topic “Our Earth: Our Future” on 8-6-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Dr. Midhun Dominic C D (Assistant professor, Department of Chemistry). Ms. Sangeetha of Sacred Heart College, Thevara was awarded with the first prize, Ms. Neethu of Sacred Heart College was awarded the second prize and Ms. Jamia of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Debate competition: An intercollegiate competition was held based on the topic “Are we self-sufficient for sustainable food security” on 8-6-17. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Dr. Midhun Dominic C D (Assistant professor, Department of Chemistry). Ms. Sara Elizabeth of Sacred Heart College, Thevara was awarded with the first prize, Ms. Ambili of Sacred Heart College was awarded the second prize and Mr. Vipin of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Painting competition: An intercollegiate competition was held based on the topic “Diversity of Wildlife in India” on 15-6-16. A total of 4 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Dr. Midhun Dominic C D (Assistant professor, Department of Chemistry). Ms. Jasila of Sacred Heart College, Thevara was awarded with the first prize, Ms. Anagha of Sacred Heart College was awarded the second prize and Mr. Alan Paul of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners

Sapling of Plants and Campus Cleaning: With the support of NCC, Boomithrasena club members planted different saplings especially medicinal plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany were actively participated in the campus cleaning programme. The plastic wastes were collected and recycled. They have cleaned the Vembanad Lake and that was a good initiative.

Open Quiz: As part of world environment day-2017 Bhoomithrasena and quiz club of S.H College, conducted an open quiz titled “Evidam Swargamanu” on 8-6-2017. About 100 students participated in the programme. Winners were awarded with cash prizes and certificates.



Open Quiz conducted in connection with world environment day-2017



Distributing prizes for the winners of Quiz Competition



Presidential address by Rev Fr. Prasant Palackappillil, CMI (Principal, S.H College)



Inauguration of the seminar by Dr. Shijo Joseph (Scientist E1, KFRI)





Audience carefully attending the seminar on “Connecting people to nature”





Planting saplings by Bhoomithrasena club members in connection with world environment day 2017

Poster competition Organized in connection with World Environment Day-2017





PARTICIPANTS OF ELOCUTION COMPETITION





തേവര സേക്രഡ് ഹാർട്ട് കോളജിൽ റിമോട്ട് സെൻസിംഗ് ആൻഡ് ജിയോഗ്രഫിക് ഇൻഫർമേഷൻ സിസ്റ്റത്തെ ആസ്പദമാക്കി സംഘടിപ്പിച്ച സെമിനാറിൽ പ്രിൻസിപ്പൽ റവ. ഡോ. പ്രശാന്ത് ഫലയ്ക്കാപ്പിള്ളിൽ സംസാരിക്കുന്നു.

എസ്എച്ച് കോളജിൽ പരിസ്ഥിതി സെമിനാർ സംഘടിപ്പിച്ചു

കൊച്ചി: അന്താരാഷ്ട്ര പരിസ്ഥിതി ദിനത്തിന്റെ ഭാഗമായി തേവര സേക്രഡ് ഹാർട്ട് കോളജിൽ റിമോട്ട് സെൻസിംഗ് ആൻഡ് ജിയോഗ്രഫിക് ഇൻഫർമേഷൻ സിസ്റ്റത്തെ ആസ്പദമാക്കി സെമിനാർ സംഘടിപ്പിച്ചു. കേരള ഫോറസ്റ്റ് റിസർച്ച് ഇൻസ്റ്റിറ്റ്യൂട്ടിലെ ശാസ്ത്രജ്ഞൻ ഡോ. ഷിജോ ജോസഫ് ഉദ്ഘാടനം ചെയ്തു. പ്രിൻസിപ്പൽ റവ. ഡോ. പ്രശാന്ത് പാലയ്ക്കാപ്പിള്ളിൽ അധ്യക്ഷത വഹിച്ചു. ഡോ. ജി.ബി.കുര്യാക്കോസ്, ഡോ. ടി.ജെ. ജെയിംസ്, പ്രഫ. മിമുൻ ഡൊമിനിക് എന്നിവർ പ്രസംഗിച്ചു.

പരിസ്ഥിതിദിനാചരണത്തിന്റെ ഭാഗമായി വിദ്യാർത്ഥികൾ വ്യക്തതയോടെയും പച്ചക്കറി തൈകൾ വിതരണം ചെയ്യുകയും ചെയ്തു. വിദ്യാർത്ഥികൾക്കിടയിൽ കൃഷി പ്രോത്സാഹിപ്പിക്കുന്നതിനായി പ്ലാന്റിംഗ് എസീഡ് പദ്ധതി ഡോ. ഷിജോ ജോസഫ് ഉദ്ഘാടനം ചെയ്തു. പരിസ്ഥിതിദിനാചരണത്തിന്റെ ഭാഗമായി കോളജിൽ 17ന് പെൻസിൽ ഡ്രെയിംഗ്, പ്രസംഗമത്സരം, പ്രശ്നോത്തരി എന്നിവ നടക്കും. കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സഹായത്തോടെ കോളജിലെ ഭൂമി ത്രസേന ക്ലബ്ബും നേച്ചർ ക്ലബ്ബും സംയുക്തമായാണ് പരിപാടികൾ സംഘടിപ്പിക്കുന്നത്. മത്സരത്തിൽ പങ്കെടുക്കാൻ ആഗ്രഹിക്കുന്നവർ 9744304341 എന്ന നമ്പറിൽ ബന്ധപ്പെടണം.

REPORT OF ACTIVITIES

CONDUCTED IN CONNECTION WITH

ഗ്ലോബൽ ഓസോൺ ഡേ - 2017

In relation to Ozone Day Observation 2017, SH College, Thevara in collaboration with Kerala State Council for Science, Technology and Environment (KSCSTE) had organized different programs on 25th and 26th of September 2017. The college had organized a seminar and different intercollegiate competitions in connection with ozone day. The focal theme for Ozone Day 2017, "Caring for All life under the Sun" was highlighted for talks and discussions.

The one day seminar was inaugurated by Dr. Linto Alappatt (HOD, Department of Geology, Christ College, Irinjalakuda) on 25th September 2017 at 10: 00 A M in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil, CMI Principal, Sacred Heart College presided over the function. Dr. T J James (Director, Centre for Environmental Science, SH College, Thevara), Dr. KB Jose (Science Dean, SH College , Thevara) and Dr. Midhun Dominic C D (Coordinator of the seminar) were present in the function. Dr. T J James welcomed the gathering warmly briefly citing the importance of the environmental balance and the role of ozone in it. In his presidential address, Fr. Prasant mentioned the relevance of the focal theme in the present scenario. He also pointed out the need for protecting our environment by 'Green Ways' and explained the concept of sustainable development efficiently. He highlighted the role of ozone umbrella in the atmosphere. Dr. Linto Alappatt inaugurated the seminar and delivered the key note address. The inauguration was done in an innovative way by spraying green chemicals that turned a completely white board into the ozone celebration theme with an ozone umbrella on it. The invited talk delivered by Dr.Linto was very accurate and informative. He elaborated the idea of 'caring for all life under the sun' factually and layered out the ozone impacts on it. He also spoke about the significance of the Montreal protocol in the present scenario and stressed on the need of new refrigerants in India that ceased the ozone hole formation. The felicitation was given by Dr. K.B Jose who circumscribed the effects of pollution and refrained how the ozone hole can lead to dire consequences. The Vote of Thanks was delivered by Dr. Midhun Dominic C D who expressed his gratitude for the presence of the dignitaries and conveyed the true motive of organizing such a program. The Inaugural function concluded at about 10: 50 a.m.

The First Technical Session began at 11: 00 A M , after a short tea brake, in which Dr. Linto Alappatt talked about the main topic , "Caring for All Life under the Sun". He spoke quite ardently about the need to care for our environment and thus care for all beings in it. He expressed his views about the growing trends in the ozone hole phenomena and evoked our attention towards the delirious plight that humans are instilling on them. His Powerpoint presentation was helpful for us in identifying the root cause of environment decay and how the climate change would further coax it. The session was very informative and students could grasp the necessity of conserving the ozone layer and nature. The session concluded at about 12:40 P M and there after it was lunch break.

The Second Technical Session began at 1:30 P M and was centered on the topic, "Ozone Depletion and Climate Change". Dr. Giby Kuriakose (Asst.Professor,Dept. of Botany, SH College, Thevara) was the torch bearer for this interesting session. The professor spoke pompously about the degrading situation of our Earth and how humans have eaten off lots of the ozone layer. He intrigued us with his striking discourses and took our attention to the ozone hole and climate change. His presentation was very educating and formative.The session ended by 2: 30 P M. The Third technical Session included paper presentations pertaining to the relevant matters spoken above and its discussion.

By 3:30 we had come to the end of all the sessions and after having tea we dispersed.

On the next day, September 26th, different intercollegiate competitions and activities were organized by the Bhoomithrasena Club in connection with Ozone day. The activities are listed below:-

Poster Competition: An intercollegiate poster competition was held on the topic “Our Earth: Our Future” on 26th September. A gracious total of 40 participants registered for the competition and the marvelous posters were displayed on the verandas of the college. The judges were Dr. Tom C Thomas (Asst. professor of Dept. of English) and Dr. Bijo N Mathew (Asst. Professor Dept. of English). Ms. Arya Vijay was judged the best and awarded First prize for her “Let it always be Onzone” poster. Mr. Ryne Pereira bagged the Second prize and Ms. Sandra John bagged the Third prize. Winners were awarded cash prize and a certificate with medal.

Elocution Competition: An intercollegiate elocution competition was held on the topic “Importance of Ozone Layer” on 26th September at 2: 00 P M. A total of 14 participants participated and spoke with great impressions and effect on the topic. The judges of the competition were Dr. Jibi Kuriakose (Asst. Professor, Dept. of Botany) and Dr. Remya (Centre for Environmental Science, SH College, Thevara). At the end of the fierce competition Ms. Mariya Paulachan of SH College, Thevara secured the first prize. Following her Merina James got the second prize and Christeena Joshy got the third prize. Cash prize with a medal and certificate was given to all the winners.

Open Quiz Competiton: An open quiz competition was conducted on the College portico by 3:00 P M on the 26th of September by Bhoomithrasena club in association with quiz club. The questions were based on the Ozone and the environment. Anyone who knew the answers could answer and were given small prizes. It was a mode to generate awareness among the college students about the importance of Ozone day and environmental conservation.

Planting of saplings: Bhoomithrasena Club members planted different saplings especially medicinal plants on the premises of the Sacred Heart College, Thevara. Saplings were grown on growbags and suitable soils and were regularly looked after by the club members.

Plant Survey: In connection with the ozone day, Dept. of Botany had initiated a plant survey in the campus. Dr. Ebin and Dr. Jibi were the supervising guides. About 70 students actively participated in the survey.

Environment Skit: Bhoomithrasena club members in association with the Theatre club performed a skit in the college portico to enlighten young minds. The skit mainly focused on the relevance of protecting our nature for the generation to come. About 12 students participated in the skit.

GALLERY

INAUGURAL FUNCTION



INAUGUARATION



Inauguration by Rev.Fr. Prasant Palackappillil



Inauguration by Dr. Linto Alappatt

PLANTING OF SAPLINGS





POSTER COMPETITION





ELOCUTION COMPETITION



BHOOMIKKORU KUDA NAMUKKORU THANAL SKIT



OPEN QUIZ AND RALLY



PRIZE DISTRIBUTION TO THE WINNERS



Prizes for poster competition.



Prizes for Elocution competition.



Bhoonithrasena Report (2016-2017)

Activities of Bhoomithrasena Club during the academic year 2016-2017

- Observed World Environment Day with the financial support of Kerala state council for Science Technology and Environment (KSCSTE). Prof. Sivanandan Achari (HOD, School of Environment Sciences, CUSAT) was the chief guest. Poster, Elocution, Quiz were conducted as part of the programme.
- Organized a one day seminar on “Ozone Depletion and Climate Change” with the financial support of KSCSTE in connection with international ozone day. Dr. T. Shaiju (Scientist, School of Marine Sciences, CUSAT) delivered the keynote address. Poster, Elocution, Quiz were conducted as part of the programme.
- Observed International year of pulses with various activities. A one day seminar on “Organic farming : Prospects and Challenges” was conducted with the financial support of KSCSTE. Mr. Philipgi G Kanattu (Organic Consultant) was the chief guest. Special training on making grow bags was given to college students. About 500 saplings were distributed at Thevara.
- Conducted an anti plastic carry bag campaign at Thevara and conducted scrap collection. About 500 vegetable saplings were distributed at Thevara.
- Actively participated in Suchitwa Bodhana Yagmam.
- Observed World wetlands day on 2/2/2017 with the financial support of KSCSTE.

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH

WORLD ENVIRONMENT DAY-2016

In relation to Environment day Observation 2016, SH College Thevara in collaboration with Kerala state Council for Science, Technology and Environment (KSCSTE) organized a week long observation from 5th to 15th of June at Sacred Heart College, Kochi. The theme for Environment day, 2016 by KSCSTE 'fight against illegal trade in wildlife' was highlighted for talks and discussions.

The activities of World Environment Day- 2016 were inaugurated by Dr. Sivanandan Achari (Professor, School of Environmental Sciences, CUSAT) on 6th June 2016 at 3.00 pm in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil, CMI (Principal, Sacred Heart College) presided over the function. Dr. Joseph John (HOD, Chemistry), Prof. Midhun Dominic (Programme Co-ordinator), Dr. Gibi Kuriakose (Nature Club Coordinator) were present in the function. Dr. Joseph John Welcomed the gathering. In his Presidential address, Fr. Prasant mentioned the relevance of the focal theme in the present scenario. He also pointed out the need of protecting our nature by green ways. The concept of sustainable development was very much explained. The invited talk delivered by Dr. Achari was magnificent and very informative. The concept Join the race to make the world a better place was well explained and he inspired everyone with his lecture. He also spoke about the need of zero tolerance against illegal trade in wildlife. He also planted a sapling of 'Money Tree' in the campus. The inaugurating session was came to an end at 4.45 pm. About 100 students were participated in the programme.

On 8th of June, Mr. Jose Louies, Head of Enforcement assistance and Law, Wildlife Trust of India delivered a talk from 3.45 to 4.45 pm on 'Illegal trade in wildlife'. (Mr. Jose Louise is a senior employee at the NGO, wildlife Trust of India, which is based at Greater Noida. He has been working in the field of enforcement assistance and law to prevent wildlife crime for the last 10 years in India and other Asian countries. He has worked with national and international enforcement agencies taking part in wildlife crime investigations across India. He is also a law enforcement trainer who trains forest staff and other enforcement agencies internationally. His team has been able to gain trust from almost Asian and African governments and prevent networking of illegal trade of wildlife parts or products. Also, the team ensured ground staffs for the protection of wildlife in India get all basic tools and accessories. He is also a member of IUCN viper specialist group and created a web space called www.indiansnakes.org for snake lovers in India. He is an adviser for Tropical Institute of Ecological Sciences (TIES)). He talked about the present crime rates with figures in wildlife across India and other countries. The updated controlling measures and tools that are used to check crimes in Indian forests and

need of ensuring protection to wildlife were emphasized. The interactive session encouraged students to raise questions and beware of the illegal trade amongst us.

Poster competition: An intercollegiate poster competition was held on the topic “Our Earth, Our Future” on 6-6-2016. A total of 8 participants were registered for the poster competition. The judges were Dr. Tom C Thomas (Assistant professor of Department of English), Mr. Bijo N Mathew (Assistant professor, Department of English), Mr. Shijo Varghese (Department of English). Mr. Linto Sebastian of St. Pauls College, Kalamassery was judged the best and was awarded first, Mr. Krishnadas M of Sacred Heart college, Thevara was awarded the second prize and Mr. Jacob George of sacred heart college, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners.

Elocution competition: An intercollegiate competition was held based on the topic “Illegal trade in Wildlife and sustainable development” on 8-6-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Swetha of Sacred Heart college, Thevara was awarded with the first prize, Ms. Neethu of Sacred Heart College was awarded the second prize and Ms. Jasila of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Debate competition: An intercollegiate competition was held based on the topic “zero tolerance against Illegal trade in Wildlife” on 8-6-16. A total of 6 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Dr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Sameeha of Sacred Heart college, Thevara was awarded with the first prize, Ms. Arya of Sacred Heart College was awarded the second prize and Mr. Vipin of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Painting competition: An intercollegiate competition was held based on the topic “ Diversity of Wildlife in India” on 15-6-16. A total of 4 participants were registered for the competition. The judges were Dr. Jibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Jasila of Sacred Heart college, Thevara was awarded with the first prize, Ms. Anagha of Sacred Heart College was awarded the second prize and Mr. Tharun of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners

Sapling of Plants and Campus Cleaning: With the support of NCC, Boomithrasena club members planted different samplings especially medicinal plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany were actively participated in the campus cleaning

programme. The plastic wastes were collected and recycled. They have cleaned the Vembanad Lake and that was a good initiative.

Plant Survey: In connection with World Environment Day, Department of Botany has initiated a plant survey in the campus. Dr. Ebin and Dr. Gibi were the supervising guides. About 50 students were actively participated in the plant survey.

Environment Skit: Boomithrasena club members were performed a skit in the college portico to enlighten the young minds. The skit mainly focused on the relevance of protecting our nature for the generation to come. The play was awesome and got appreciation from the crowd.

INAUGURATION OF WORLD ENVIRONMENT DAY-2016





INVITED TALK by Prof. Sivanandhan Achari (Professor, CUSAT)



Dr. Sivanandan Achari (Chief Guest) is planting a sapling on 6th June 2016



Planting of saplings by NCC and Boomithrasena Club members in connection with World Environment Day- 2016



Plant survey in the campus conducted as part of World Environment Day -2016



Skit by Boomithrasena club members in connection with World Environment Day-2016

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH *INTERNATIONAL YEAR OF PULSES-2016*

In relation to International Year of Pulses (IYP) 2016, SH College Thevara in collaboration with Kerala State Council for Science, Technology and Environment (KSCSTE) has organized different programs on 09th and 10th December 2016. The college has organized a seminar and different intercollegiate competitions in connection with international year of pulses. The IYP 2016 aims to heighten public awareness of the nutritional benefits of pulses as part of sustainable food production aimed towards food security and nutrition.

The one day seminar entitled ‘Innovations in Organic Farming: Prospects and Challenges’ was inaugurated by Dr. Philipgi T. Kanattu (Agricultural Officer and organic farm consultant, Ernakulam) on 9th December 2016 at 10.00 am in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil, CMI (Principal, Sacred Heart College) presided over the function. Dr. Joseph John (HOD, Chemistry), Prof. Midhun Dominic (Programme Co-ordinator), Dr. Gibi Kuriakose (Nature Club Coordinator), Dr. T.J James (Professor, S.H College) were present in the function. Dr. Joseph John Welcomed the gathering. In his Presidential address Fr. Prasant mentioned the relevance of the focal theme in the present scenario. He also pointed out the need of protecting our nature by green ways. The concept of sustainable development was very much explained. Fr. Prasant has mentioned the role of organic farming for a healthy livelihood. According to him, the reason behind all the lifestyle diseases is the use of adulterated food materials and vegetables. Dr. Philipgi T. Kanattu has inaugurated the seminar and delivered the keynote address. The session was magnificent and very informative. Concepts like aquaponics, cage farming etc were well elaborated. He also spoke about the significance of using biofertilizers instead of chemical fertilizers in farming. He has pointed out the value and utilization of pulses throughout the food system, their benefits for soil fertility and climate

change. The next technical session was started at 2.00 pm. Prof. T. J James was the speaker. The topic of his presentation was 'nutritional values of pulses'. He has created awareness about the important role of pulses in sustainable food production and healthy diets. He also pointed out the need of fostering enhanced research, better utilize crop rotations and address the challenges in the trade of pulses. He has planted a sapling of 'Money Tree' in the campus. This session was followed by paper presentations from research scholars and students of different colleges. The seminar came to an end at 3.45 pm. About 100 students and research scholars were participated in the programme. Different intercollegiate competitions were organized by Boomithrasena club members in connection with IYP on December 10th 2016. The activities are listed below.

Quiz competition: An intercollegiate quiz competition was held on the topic "Different Verities Of Pulses & its medicinal properties" on 10-12-2016. A total of 8 participants were registered for the quiz competition. Mr. Paul Sebastian of St. Pauls college, Kalamassery was awarded first, Mr. Karthik M of Sacred Heart college, Thevara was awarded the second prize and Ms. Juvana George of sacred heart college, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners.

Elocution competition: An intercollegiate elocution competition was held based on the topic "Role of pulses in sustainable food production" on 10-12-16. A total of 6 participants were registered for the competition. The judges were Dr. Gibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Reshma of Sacred Heart college, Thevara was awarded with the first prize, Ms. Mariya of Sacred Heart College was awarded the second prize and Mr. Jervise of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Debate competition: An intercollegiate debate competition was held based on the topic "Are we self sufficient for sustainable for sustainable food security" on 10-12-16. A total of 6 participants were registered for the competition. The judges were Dr. Gibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Mr. Andrew and Mr. Amal of Sacred Heart college, Thevara was awarded with the first prize, Ms. Arya and Mr. Adarsh of Sacred Heart College was awarded the second prize and Mr. Adithyaraj and Mr. Harikrishna of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Sapling of Plants and Campus Cleaning: Boomithrasena club members planted different saplings especially medicinal plants and pea plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany were actively participated in the campus cleaning programme. The plastic wastes were collected and recycled. They have cleaned the Vembanad Lake and that was a good initiative.

Distribution of vegetable saplings: About 500 vegetable saplings were distributed in the nearby houses of S.H College, Thevara.

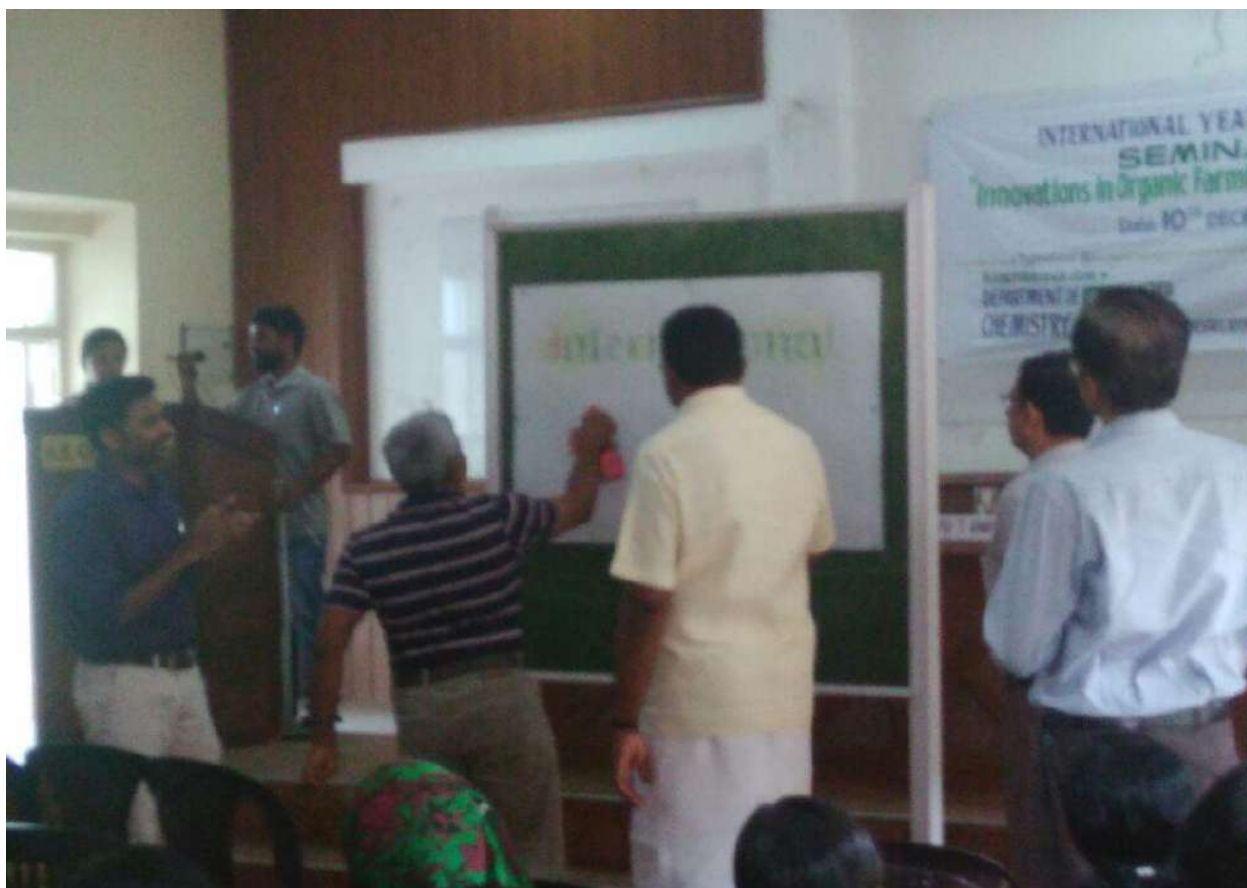
Grow bag filling training class: A grow bag making class was also organized as part of international year of pulses. Dr. Philipgi T Kanattu (Organic farm consultant and Manorama ‘Adukalathottam’ fame) lead the class. Students have got hands on training in filling grow bags.

Display and Exhibition of pulses : An exhibition of different varieties of pulses , commonly seen in Kerala was arranged at the college portico. The exhibition was well organized and very informative

Inaguration of the seminar on “INNOVATIONS IN ORGANIC FARMING: PROSPECTS & CHALLENGES” conducted in connection with INTERNATIONAL YEAR OF PULSES-2016



Inaguration by Dr.PHILIGI .T. KANATTU



Talk on 'NUTRITIONAL VALUE OF PULSES'



Grow bag making session was organized as part of INTERNATIONAL YEAR OF PULSES 2016



Debate competition on the topic-“Are we self sufficient for sustainable for sustainable food security” was held as part of INTERNATIONAL YEAR OF PULSES 2016.



Quiz competition on the topic-”DIFFERENT VARITIES OF PULSES & ITS MEDICINAL PROPERTIES” was held as part of INTERNATIONAL YEAR OF PULSES 2016.



Winners of the Elocution competition (Topic- “Role of pulses in sustainable food production”) that was held as part of INTERNATIONAL YEAR OF PULSES 2016.



Vegetable saplings being distributed to the nearby houses of S.H College





An exhibition of the wide varieties of pulses was held in S.H College in connection with INTERNATIONAL YEAR OF PULSES 2016.



A newspaper report on the seminar & other activities held at S.H College as part of INTERNATIONAL YEAR OF PULSES 2016.

തേവര എസ്എച്ച് കോളജിൽ സെമിനാർ നടത്തി

കൊച്ചി: അന്താരാഷ്ട്ര പയർ വർഷ ദിനാചരണത്തിന്റെ ഭാഗമായി തേവര സെക്രഡ് ഹാർട്ട് കോളജിൽ ജൈവകൃഷി സാധ്യതകളും വെല്ലുവിളികളും എന്ന വിഷയത്തെ ആസ്പദമാക്കി ഏകദിന സെമിനാർ സംഘടിപ്പിച്ചു. ജൈവ കർഷകനും കൃഷി ഓഫീസറുമായ ഫിലിപ്പിൻ ടി. കാനാട്ട് സെമിനാർ ഉദ്ഘാടനം ചെയ്തു. ഡോ. ജോസഫ് ജോൺ, ഡോ. കെ.ബി. ജോസ്, ഡോ. ടി.ജെ. ജയിംസ്, പ്രഫ. മിഥുൻ ഡോമിനീക് എന്നിവർ പ്രസംഗിച്ചു.

വിദ്യാർത്ഥികൾക്ക് പ്രഗത്ഭാഗ്രാമീണർ ജൈവകൃഷി നടത്താനുള്ള പരിശീലനം നൽകി. വീരധര പയർവർഗങ്ങളുടെ പ്രദർശനവും പച്ചക്കറി തൈകളുടെ വിതരണവും നടന്നു.

കോളജിലെ ജൂമിത്ര സേനാ ക്ലബ്ബും മത്സരരത്ന വിഭാഗവും കേരള സംസ്ഥാന ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലും സംയുക്തമായാണ് പരിപാടി സംഘടിപ്പിച്ചത്.



തേവര സെക്രഡ് ഹാർട്ട് കോളജിൽ നടന്ന ജൈവകൃഷി-സാധ്യതകളും വെല്ലുവിളികളും എന്ന സെമിനാറിന്റെ ഭാഗമായി കൃഷി ഓഫീസർ ഫിലിപ്പിൻ ടി. കാനാട്ട് പ്രഗത്ഭാഗ്രാമീണരുടെ ജൈവകൃഷി വിശദീകരിക്കുന്നു.

ഇന്നത്തെ പരിപാടി

എറണാകുളം: മഹാരാജാസ് കോളജിൽ തുറന്നിറങ്ങുന്ന മലയാള ഭാഷയിൽ സാധ്യതകളും വെല്ലുവിളികളും സെമിനാർ രാവിലെ 9.30ന് ക്ലബ്ബിലൂടെ ഗാന്ധിഭവനിൽ ചർച്ചായോഗം വൈകുന്നേരം അഞ്ചിന് എറണാകുളം ടൗൺഹാളിൽ കെഎസ്ഇബി, സാസെറ്റി ഓഫ് എൻജിനിയേഴ്സ് ആൻഡ് മാനേജേർസ് എന്നിവയുടെ ആഭിമുഖ്യത്തിൽ നടത്തിയ ഉദ്ദേശങ്ങൾ പ്രചരണ പരിപാടികളുടെ സമാപനം വൈകുന്നേരം അഞ്ചിന്.

This marks the end of - INTERNATIONAL YEAR OF PULSES 2016.

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH
INTERNATIONAL OZONE DAY-2016

By

Department of Chemistry

In Association with Boomithrasena Club

Sacred Heart College (Autonomous) Thevara, Kochi

In relation to Ozone day Observation 2016, SH College Thevara in collaboration with Kerala state Council for Science, Technology and Environment (KSCSTE) has organized different programs on 29th and 30th September 2016. The college has organized a seminar and different intercollegiate competitions in connection with ozone day. The focal theme for ozone day, 2016 ‘Ozone and Climate: Restored by a World United’ was highlighted for talks and discussions.

The one day seminar was inaugurated by Dr. P. Shaiju (Scientist, Dept. of Chemical Oceanography, School of Marine Sciences, CUSAT) on 29th September 2016 at 10.00 am in the Marian Hall of Sacred Heart College. Dr. Prasant Palackappillil, CMI (Principal, Sacred Heart College) presided over the function. Dr. Joseph John (HOD, Chemistry), Prof. Midhun Dominic (Programme Co-ordinator), Dr. Gibi Kuriakose (Nature Club Coordinator), Dr. T.J James (Professor, S.H College) were present in the function. Dr. Joseph John Welcomed the gathering. In his Presidential address Fr. Prasant mentioned the relevance of the focal theme in the present scenario. He also pointed out the need of protecting our nature by green ways. The concept of sustainable development was very much explained. Fr. Prasant has mentioned the role of ozone umbrella in the atmosphere. Dr. P Shaiju has inaugurated the seminar and delivered the keynote address. The invited talk delivered by Dr. P Shaiju was magnificent and very informative. The concept “Ozone depletion and climate change” was well elaborated. He also spoke about the significance of Montreal protocol in the present scenario. The role of CFC’s in the destruction of ozone layer was well explained. He also stressed the need of new refrigerants in India to prevent the formation of ozone hole. The next technical session was started at 2.00 pm. Prof. T.J James was the speaker. The topic of this particular session was Ozone Layer: A Good umbrella. He has planted a sapling of ‘Money Tree’ in the campus. This session was followed by paper presentations from research scholars and students of different colleges. The seminar came to an end at 3.45 pm. About 100 students were participated in the programme.

Different intercollegiate competitions were organized by Boomithrasena club members in connection with ozone day on September 30th 2016. The activities are listed below.

Poster competition: An intercollegiate poster competition was held on the topic “Ozone and Our Future” on 30-9-2016. A total of 8 participants were registered for the poster competition. The judges were Dr. Tom C Thomas (Assistant professor of Department of English), Dr. Bijo N Mathew (Assistant professor, Department of English), Dr. Shijo Varghese (Department of commerce). Mr. John Philip of St. Pauls college, Kalamassery was judged the best and was awarded first, Mr. Vipin Thomas of Sacred Heart college, Thevara was awarded the second prize and Mr. Jins George of Sacred Heart college, Thevara was awarded third prize. A cash prize with a medal and certificate was given to all the winners.

Elocution competition: An intercollegiate competition was held based on the topic “Safety measures to protect our ozone layer” on 30-9-16. A total of 6 participants were registered for the competition. The judges were Dr. Gibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Merin of Sacred Heart college, Thevara was awarded with the first prize, Ms. Neethu of Sacred Heart College was awarded the second prize and Ms. Jasila of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Debate competition: An intercollegiate competition was held based on the topic “zero tolerance against CFCs and Global warming” on 30-9-16. A total of 6 participants were registered for the competition. The judges were Dr. Gibi Kuriakose (Assistant professor, Department of Botany) and Mr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Linta Susan of Sacred Heart college, Thevara was awarded with the first prize, Ms. Ammu Jose of Sacred Heart College was awarded the second prize and Mr. Tom Thomas of Sacred Heart College was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.

Painting competition: An intercollegiate painting competition was held based on the topic “Ozone and Nature” on 30-9-16. A total of 4 participants were registered for the competition. The judges were Dr. Gibi Kuriakose (Assistant professor, Department of Botany) and Dr. Midhun Dominic C.D (Assistant professor, Department of Chemistry). Ms. Jasila of Sacred Heart college, Thevara was awarded with the first prize, Ms. Anagha of Sacred Heart College was awarded the second prize and Mr. Tharun of Sacred Heart college was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners

Sapling of Plants and Campus Cleaning: With the support of NCC, Boomithrasena club members planted different samplings especially medicinal plants on the premises of Sacred Heart College, Thevara. Students of Chemistry and Botany were actively participated in the campus cleaning programme. The plastic wastes were collected and recycled. They have cleaned the Vembanad Lake and that was a good initiative.

Plant Survey: In connection with World ozone Day, Department of Botany has initiated a plant survey in the campus. Dr. Ebin and Dr. Gibi were the supervising guides. About 50 students were actively participated in the plant survey.

Environment Skit: Boomithrasena club members were performed a skit in the college portico to enlighten the young minds. The skit mainly focused on the relevance of protecting our nature for the generation to come. About 12 students were participated in the skit.

INAUGURATION OF WORLD OZONE DAY-2016







Bhoomithrasena club members with Dr. P Shaiju (Chief Guest)

Skit by Boomithrasena club members in connection with Ozone day -2016



News Paper Report in Malayala Manorama regarding Ozone Day-2016

ഓസോൺ ദിനാചരണ സെമിനാർ

കോച്ചി • മാതൃകാതര ഓസോൺ
ദിനാചരണത്തിന്റെ ഭാഗമായി
തേവര സെ.കോ. ഹാർട്ട്
കോളജിൽ നടത്തിയ സെമിനാർ
കുസാഗ്തരമായി ക്യാപ്റ്റൻ പ്രീതി
ബിജുവിൽ ഡോ. പി. രാമേശ്വരൻ
ജന. പെരുന്തു പ്രിൻസിപ്പൽ ഹാ
പ്രശാന്ത് പാലയ്ക്കാപ്പിള്ളിയിൽ
അദ്ധ്യക്ഷത വഹിച്ചു.

പ്രഫ. ജി.എസ്. ഡോ.ജനീഷ്. പ്ര
ഫ. വി.ജെ.ജനീഷ്. പ്രഫ. ജോ
സഫ്. ജോ.ജി. ഏ.എസ്. പ്രസ.
ജി.പ്ര. പരിപാടിയിലെ ഭാഗമായി
സംഘടിപ്പിച്ച അഞ്ചു വിഭാഗികൾ
ഓ. സമാനതയുൾ നൽകി കോള
ജിലെ ക്ലബ്ബുകളെ ക്ലബ്ബ്. സ
കൂടെ വിഭാഗവു. കോള. ഗാന്ധി
സമാനതയെ പരിപാടിയിൽ കൂടെ
സംഘ്. പെരുന്താണു പരിപാടി സം
ഘടിപ്പിച്ചു.

This marks the end of Ozone Day -2016 at S.H College, Thevara.

BHOOMITHRASENA REPORT (2015-16)

Report of Activities Conducted as part of World Wetlands Day-2016

February 2nd is declared as the World Wetlands Day. Wetlands are one of the world's most important environment assets, containing a disproportionately high number of plant and animal species compared to other areas of the world. Throughout history they have been integral to human survival and development. Wetlands are vulnerable to over-exploitation due to their abundance of fish, fuel and water. The rate of loss and deterioration of wetlands is likely to intensify in the coming decades due to increased global demand for land and water as well as climate change. At this juncture, Bhoomithrasena Club and Dept. of Chemistry were organized lectures and different inter-collegiate competitions in collaboration with KSCSTE based on the focal theme "Wetlands for Our Future" on 2nd, 4th and 6th February 2016. The report of the activities is summarized below.

Activities on 2nd February

- The activities of World Wetlands Day-2016 was inaugurated by Dr. AnuGopinath (Asst. Professor, Kerala University of Fisheries and Ocean Studies) at 3: 00 P M in Marian Hall of S H College, Thevara.
- Rev. Dr. Prasant Palackappillil, CMI (Principal, S H College) presided over the function. In his presidential address, he has pointed out the significance of protecting wetlands especially mangrove forests in Kerala.
- Dr. Anu Gopinath's lecture on "Wetlands-Biodiversity and Climate Change" was really informative and inspiring. She has emphasized on the different types of wetlands, biodiversity of wetlands and the need of protecting the natures treasures ie, wetlands. She also focused on the significant relation between wetlands and climate change. Dr. Anu has shared her Arctic experience to the audience. It was really amazing.
- Dr. Joseph John (HOD, Chemistry), Dr. Midhun Dominic C D (Coordinator of Bhoomithrasena Club and Coordinator of the wetlands day observation) were felicitated the function.
- Around 100 students were attended the function and the programme came to an end at 4: 30 P M.

Activities on 4/2/2016

- Poster, Elocution, Environment Quiz, Debate competitions were organized on 4/2/2016 as part of World Wetlands Day.

- The theme for poster competition was “Wetlands for Our Future”. 16 students were participated in the competition.
- Charulatha Santhosh (S H College, Thevara), Famy Francis (SH College, Thevara), Rinu Tresa Jose (S H College, Thevara) were awarded First, Second and Third Prizes respectively.
- Dr. Tom C Thomas (Asst. Professor, Dept. of English) and Mr. Shijo Varghese (Asst. Professor, Dept. of English) were the judges.
- 34 teams were participated in the intercollegiate Environment Quiz in the preliminary round and 4 teams were selected to the finals. Dr. Midhun Dominic C D (Asst. Professor, Dept.of Chemistry) was the quiz master.
- Anuja Mary Sabu, Anuja Johny (Devamatha College, Kuruvilangadu), Merin Shajan, Ashly Shaji (BMC, Thrikkakkara), Akshaya G Nair, Neethu Thomas (S H college, Thevara) and Ashwin Roy, Francis Joy (St. Paul’s College, Kalamassery) were awarded first, second, third and fourth prizes respectively.
- 7 teams were participated in the intercollegiate debate competition. The topic for debate competition was ‘wetlands are sensitive and fragile ecosystem on which human interference should be banned completely’. Dr. Abi T.G (Asst. Professor, Dept. of Chemistry) and Mr. Bijo Mathew (Asst. Professor, Dept.of English) were the judges.
- Chandrapal T, Muhammed Ibrahim (Govt. Law college, Ernakulam), Noel Mariam George, Shona Smith (S H College, Thevara), Sinimol Sunny, Neethu Thomas (S H college, Thevara) were awarded first, second and third prizes respectively.
- 12 students were participated in the intercollegiate elocution competition. The topic of the elocution competition was “significance of wetlands”. Dr. Ignatious Abraham (Asst. Professor, Dept. of Chemistry) and Mr. Bijo Mathew (Asst. Professor, Dept. of English) were the judges.
- Sherin Stany (S H College, Thevara), Shona Smith (S H college, Thevara), Mariyam Jacob (S H college, Thevara) were awarded first, second and third prizes respectively.

Activities on 6/2/2016

- Intercollegiate photography competition was organized on 6/2/16. 4 students were participated in the competition. The topic for the photography competition was “Wetlands are essential for sustainable Livelihoods”
- Nithin (Agricultural University, Mannuthy), Neeraj M (S H college, Thevara), Kiran Babu (BSOLS, Aluva) were awarded first, second and third prizes respectively.

World Wetlands Day Celebrations

INAUGURATION:



Presidential Address by Rev. Dr. Prasant Palackappillil, CMI



Welcome Address by Dr Joseph John

Inauguration by Dr. Anu Gopinath

COMPETITIONS:

Participants from Elocution Competition



Participants from Debate Competition



Exhibits Poster Competition



WINNERS:

Elocution



Debate



Quiz Competition



Poster competition





This marks the end of the activities conducted as part of World Wetlands Day-2016

NATIONAL SCIENCE DAY CELEBRATIONS

BODHI 2015-2016

National Science Day is celebrated in India on February 28th each year to mark the discovery of the Raman Effect by Indian physicist Sir Chandrasekhara Venkata Raman on February 28th, 1928. In connection with this the Department of Chemistry of Sacred Heart College, Thevara and Bhoomithrasena club organized Bodhi 2016 with the support of Kerala State Council for Science Technology and Environment. The following events were conducted in connection with Bodhi 2016;

- 1) Popular lecture
- 2) Chemistry Awareness Programme (CAP) and chemistry magic for school students.
- 3) Chemistryquiz for college students.

The organizing committee for 2016 was elected with the manager of Sacred Heart College, Rev. Fr. Jose Thuravical CMI as the patron, Rev. Fr. Prasant Palackapillil, CMI the principal of the college as the chairman, Dr. Joseph John, Head of the Department of Chemistry as the convener, Dr. Midhun Dominic C D as the programme coordinator and the rest of the faculty of the Department of chemistry as the members of the committee.

INAUGURAL FUNCTION OF BODHI 2016





The National Science Day celebrations kick started with the inaugural function on 27th of February conducted at college auditorium. The chief guest of the day was Prof. V N Madhusudhanan, HOD, Department of Chemistry, Jawaharlal College of Engineering and Technology, Lakadi, Palakkad. The inaugural function was presided over by Rev. Fr. Jose John CMI, Vice Principal Sacred Heart College Thevara. The inaugural function started at 10:00 A M. 60 students accompanied by their teachers from 5 different schools namely Sacred Heart high school Thevara, T D high School Mattancherry, CCPLM high school Perumanoor, St. Thomas girl's high school Perumanoor attended the function. Dr. Joseph John, Head of the Department of Chemistry welcomed the gathering and the chief guest of the day Prof. V N Madhusudhanan inaugurated Bodhi 2016 by performing an exciting experiment and his inaugural address inspired the audience tremendously. The inaugural function ended with the words of gratitude by Dr. Midhun Dominic CD, the programme coordinator.

The inaugural function was followed by a tea break.

MAGIC OF CHEMISTRY

The afternoon session witnessed “The Magic of Chemistry” programme, in which around 20 simple yet strikingly curious chemistry experiments were demonstrated. The experiments were arranged in the two post graduate chemistry labs of the college and the students were divided into groups of five. The experiments were arranged and managed with the help of final year post graduate students of Sacred Heart College. These experiments were based on simple chemistry and the student community received it with awe. Each experiment was explained very vividly which made them understand that the magic of chemistry was rather explanatory and the science behind these magic acts were simple. The experiments were demonstrated to each group of students and the facts were explained to them with the help of chart papers and power point presentations so that the students can easily read it out. The students were very curious and were writing down every possible details of each of the experiments. They were very lavish in asking questions and their curious budding minds were filled with infectious energy. Almost all experiments ignited their scientific temper and they were easily taken to the magic world of chemistry. This was clearly reflected in their feedback forms written at the end of the day which was filled with enthusiastic and heart filled comments and suggestions.

The day’s programme came to an end with the valedictory function which was presided over by Dr. Joseph John, Head of the Department of chemistry. Students and teachers shared their experiences and suggested their willingness to participate in the future years. Refreshments were served at the end.





Dear Sir,

Sacred Heart College, Thevara is an autonomous college in Kerala affiliated to Mahatma Gandhi University, Kottayam. The college was established in the year 1944 by the Carmelites of Mary Immaculate (CMI).

National Science Day is celebrated in India on February 28th each year to mark the discovery of the Raman Effect by Indian Physicist Sir Chandrasekhara Venkata Raman on February 28th 1928. In connection with this, Department of Chemistry of Sacred Heart College, Thevara is organizing BODHI 2016 with the support of Kerala State Council of Science Technology and Environment (KSCSTE). The following events will be conducted in connection with BODHI 2016

- Popular lecture
- Chemistry Awareness Programme (CAP) and Chemistry Magic for High School Students
- Chemistry Quiz for College Students
- Project Presentation Competition

BODHI 2016 is basically for school/college students who are enthusiastic in science. The programme aims to inspire and motivate students in the field of science and encouraging them to become the future scientists of India. We request your whole-hearted co-operation and support in making this event a great success.

Mr. Midhun Dominic CD
Assistant Professor

Dr. Joseph John
HOD, Chemistry

Programme Schedule

26 -2 -2016

Project Presentation Competition

Project presentation competition will be held on 26 February 2016 at 10:00 am for BSc students. It's a platform which invites final year chemistry students to present their project. PowerPoint presentation - 10 min, discussion - 5 min

Chemistry Quiz

Chemistry Quiz is organized for College Students. Each college may send a team of two students to represent the college in the Quiz competition. The preliminary round will be a written test conducted at 2:00 pm on 26th February 2016. Based on which 4 teams will be selected for the final round which will be held at 3:00 pm on the same day.

27 -2 -2016

09:00 - 09:45 am : Registration

10:00 - 10:15 am : Inauguration of Bodhi - 2016

Chief Guest : Prof. V. N Madhusudhanan

(HOD, Chemistry, Jawaharlal college of Engineering and Technology, Lakkidi, Palakkad)

10:15 - 11:30 am (Invited Talk) : Make in India : 'Science and Technology Driven Innovations'

11:30 am : Tea

11:30 - 1:00 pm : Launching of Chemistry Awareness Programme (CAP)

1:00 - 1:45 pm : Lunch

1:45 - 3:30 pm : Chemistry magic

3:30 - 3:45 pm : Valedictory Session

3:45 pm : Tea and Departure

Prizes For Winners

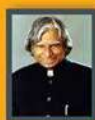
2
Certificate,
medal and
cash prize
of Rs.
750/-

1
Certificate,
medal and
cash prize
of Rs.
1000/-

3
Certificate,
medal and
cash prize
of Rs.
500/-

Those who wish to participate in these competitions, please register their names to Mr. Midhun Dominic C.D (mob:9444304341), on or before 25th February 2016. Participants should bring their identity card/ Letter from the head of the institution, in order to participate in these events.

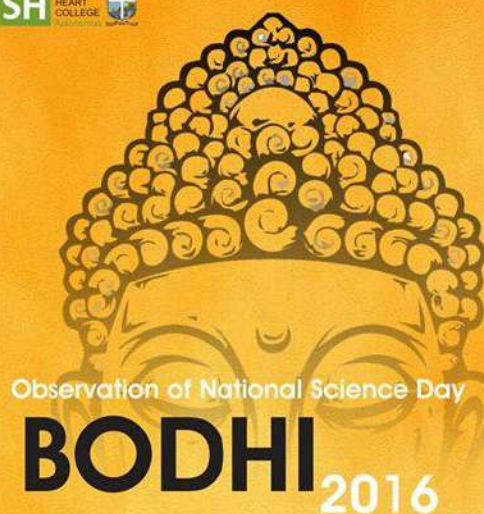
Registration Fee for Quiz, Project Presentation - 50/-



Organizing Committee

Rev. Fr. Jose Kureedath, CMI (Patron)
Rev. Fr. Prasanth Palackappillil, CMI (Chairman)
Dr. Joseph John (Convener)
Mr. Midhun Dominic C.D (Co-ordinator)
Dr. K.B. Jose
Dr. Joseph T. Mooleyil
Dr. Thommachan Xavier
Dr. M. George
Dr. V.S. Sebastian
Dr. Joseph Joseph

Dr. Franklin J.
Dr. Jitu George
Dr. Grace Thomas
Dr. Ignatious Abraham
Mr. Senu Divasakulthy
Mr. June Cyrilac
Dr. Ramakrishnan S
Dr. Abi T.G.



Observation of National Science Day
BODHI 2016

Make in India :
Science & Technology Driven Innovations

26th & 27th February 2016

Fr. Melesius Hall, Sacred Heart College, Thevara

Organized by
Department of Chemistry (SH College)
Supported By
Kerala State Council for Science, Technology and Environment (KSCSTE)
& DST, Govt. of India

Bhoomithrasena Club Report
(2014 - 2015)

OBSERVATION OF INTERNATIONAL OZONE DAY

SEPTEMBER 16TH, 2014

As part of Ozone Day celebration, Bhoomithrasena club of Sacred Heart college, Thevara conducted lectures and different intercollegiate competitions in collaboration with KSCSTE, based on the focal theme “Ozone Layer Protection: The Mission Goes On” on 16th, 19th and 22nd of September 2014.

16th September 2014- Day 1 Activities

The Ozone Day activities held on Day 1 were:

Inauguration of International Ozone Day

Slogan writing competition: A slogan writing competition was held for the students of Sacred Heart College, Thevara based on the focal theme “Ozone Layer Protection: The Mission Goes On”. A number of students participated in the competition. The judges were Mr. Sunil K V (Assistant professor of department of English) and Mr. Aravind R. Nair (Assistant professor of Department of English). The slogan of Ms. Aparna N of Sacred Heart College, Thevara was judged the best one and awarded first prize, Mr. Printo Pappachen of Sacred Heart College, Thevara was awarded the second prize and Ms. Hanna E Monachan of Sacred Heart college, Thevara was given the third prize.

19th September 2014- Day 2 Activities

Technical Session 1: Talk by Dr. Daisy Joseph:

Dr. Daisy Joseph, Scientist of Bhabha Atomic Research Centre, Mumbai gave a very inspiring talk based on the topic “Protection of Ozone layer and its impact”. The program started by 2: 00 P M and ended by 3: 30 P M. She went through all the matters which can cause ozone depletion. She briefly explained how the ozone layer was destroyed because of the release of chlorofluorocarbons (CFCs). A total of around 100 participants were present in this seminar. Dr. Daisy Joseph planted a sapling of *Calamus Gamblei* in the campus.



Talk by Dr. Daisy Joseph (Scientist, Bhabha Atomic Research Centre, Mumbai)



Planting of *Calamus Gamblei* in the campus by Dr. Daisy Joseph

22nd September 2014-Day 3 Activities

Poster competition: An intercollegiate poster competition was held on the topic “Our Earth, Our Future”. A total of 8 participants registered for the poster competition. The judges were Dr. Tom C Thomas (Assistant professor, Department of English), Dr. Bijo N Mathew (Assistant professor, Department of English) and Mr. Shijo Varghese (Department of English). Mr. Sinto Sebastian of St. Paul’s College, Kalamassery was judged the best and was awarded first, Mr. Krishnadas M of Sacred Heart College, Thevara was awarded the second prize and Mr. Jomon George of St. Paul’s College, Kalamassery was awarded third prize. A cash prize with a medal and certificate was given to all the winners.



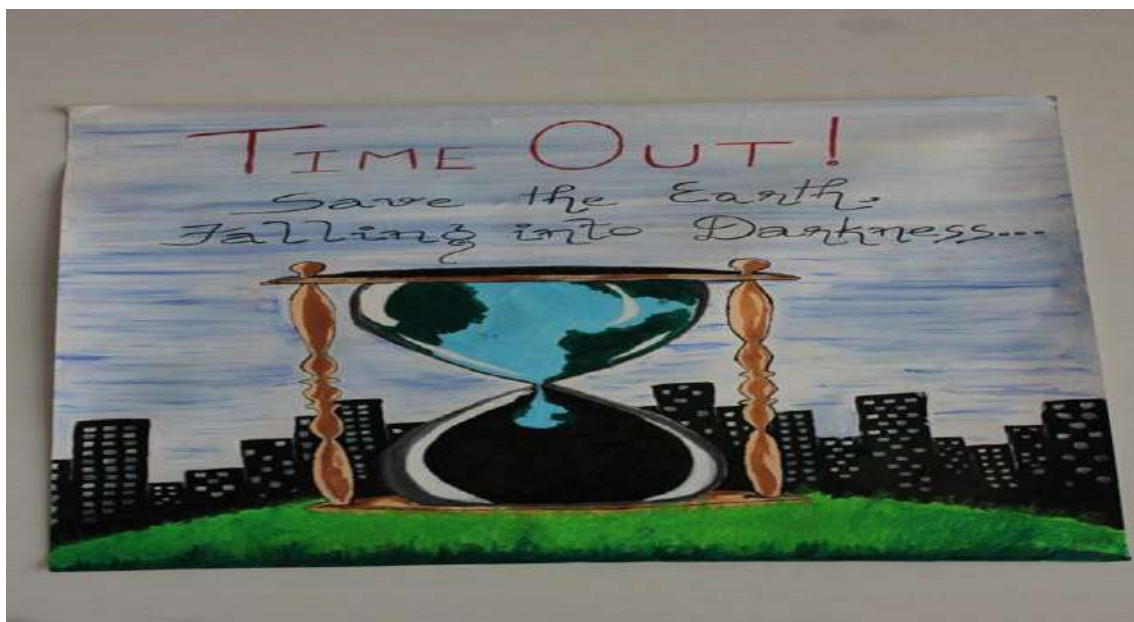
Posters of the participants- based on the focal theme Our Earth, Our Future



First Prize



Second Prize



Third prize

Photography competition: An inter collegiate photography competition was held based on the topic “Our Earth, Our Habitat, Our Home”. The judges were Mr. Shijo Varghese (Asst. Prof., Department of English) and Mr. Aravind Nair (Assistant professor of Department of English). A total of 11 participants registered for the competition. Mr. Jibin Jose of Sacred Heart School of communication was awarded the first prize, Mr. Anton D Silva of Sacred Heart School of Communication was awarded second prize and Mr. Neeraj K Menon of Sacred Heart College, Thevara was given third prize. A cash prize with a medal and certificate was given to all the winners.

Elocution competition: An intercollegiate competition was held based on the topic “Ozone Layer depletion, The Mission Goes on”. It was a 5min speech. A total of 6 participants registered for the competition. The judges were Dr. Ignatious Abraham (Assistant professor, Department of chemistry) and Mr. Rajesh James (Assistant professor, Department of English). Ms. Shona Smith of Sacred Heart College Thevara was awarded with the first prize, Mr. Maneesh Manipal of Sacred Heart School of Communication was awarded the second prize and Ms. Arya S Nair of St. Xaviers College for woman, Aluva was awarded with the third prize. Cash prize with a medal and certificate was given to all the winners.



Elocution and Poster competitions were in progress

Street play: After all the intercollegiate competition, a street play was conducted by Abilash K S and his team of Bhoomithrasena Club based on the theme of ozone depletion and Environment. The title of the street play is “Bhoomikkoru Kuda, Namukkoru Thanal”. It was a very inspiring and meaningful play. The play was conducted in the college portico at 4: 00 P M and it ended by 4: 15 P M.





Students performing the street play “Bhoomikkoru Kuda, Namukkoru Thanal”



Street play performers with Dr. Giby Kuriakose and Dr. Midhun Dominic C D (coordinator of Ozone day celebration)

Technical session 2

Talk by Prof. K. Mohan Kumar: Dr. K. Mohan Kumar (Director, School of Marine Sciences, Dean, faculty of Environmental Studies, Department of Atmospheric Sciences, Cochin University of Science and Technology) gave a very motivational and inspiring talk to the audience on the topic “Ozone Layer Depletion and Climatic Change”. He showed many interesting slide shows. He went through each and every matter which leads to the formation of ozone hole and how did it bring climatic change. A total of 80 students were present in the seminar hall. He interacted very well with all the audience. It was really an eye opening session to the audience. He was very much excited and ready to answer the questions raised by the students .The talk got over by 4: 00 P M.



Talk by Dr. K. Mohan Kumar on the topic “Ozone layer depletion and climate change”



Dr. K Mohan Kumar interacting with the audience



Taking Ozone layer protection pledge

Prize Distribution: The prizes were distributed to all the winners of various competitions which were held on 16th and 19th and 22nd of September 2014. Rev. Fr. Jose Thuravackal, CMI, Dr. James T J (advisor of bhoomithrasena club) and Dr. Giby Kuriakose (nature club coordinator) issued certificates and cash prizes to all the winners.



Winners receiving cash prizes, certificates and medals .



Vice Principal Fr. Jose Thuravackal presenting a memento to Dr. K. Mohan Kumar



Participants of International Ozone Day -2014



Valedictory session of international ozone day celebration- 2014

തേവര കോളജിൽ ഓസോൺ ദിനമാചരിച്ചു

കൊച്ചി: അന്താരാഷ്ട്ര ഓസോൺ ദിനാചരണത്തിന്റെ ഭാഗമായി തേവര സേക്രഡ് ഹാർട്ട് കോളജിൽ പ്രഭാഷണവും വിവിധ മത്സരങ്ങളും സംഘടിപ്പിച്ചു. ഓസോൺ പാളിക്കുണ്ടാവുന്ന നാശവും കാലാവസ്ഥാ വ്യതിയാനവും എന്ന വിഷയത്തെക്കുറിച്ച് കൂസാറ്റിലെ സ്കൂൾ ഓഫ് മനേജർ സയൻസ് ഡയറക്ടർ പ്രഫ. ഡോ. കെ. മോഹൻകുമാർ മുഖ്യപ്രഭാഷണം നടത്തി. കോള

ജിലെ ഭൂമിത്രസേന ക്ലബ്ബ് കോ-ഓർഡിനേറ്റർ പ്രഫ. മിഥുൻ ഡൊമിനിക് വിദ്യാർത്ഥികൾക്ക് ഓസോൺ സംരക്ഷണ പ്രതിജ്ഞ ചൊല്ലിക്കൊടുത്തു.

കെമിസ്ട്രി വിഭാഗം മേധാവി ഡോ. ജോസഫ് ജോൺ, അധ്യാപകരായ ഡോ. ടി.ജെ. ജയിംസ്, ഡോ. ജിബി കുര്യാക്കോസ് എന്നിവർ പ്രസംഗിച്ചു. പോസ്റ്റർ, ഫോട്ടോഗ്രാഫി, പ്രസംഗ മത്സരങ്ങളിൽ

വിജയികളായവർക്ക് കോളജ് വൈസ് പ്രിൻസിപ്പൽ ഫാ. ജോസ് തുറവയ്ക്കൽ പുരസ്കാരങ്ങൾ നൽകി. ഭൂമിത്രസേന ക്ലബ്ബ് അംഗങ്ങൾ 'ഭൂമിക്കൊരു കൂട നമുക്കൊരു തണൽ' എന്ന തെരുവുനാടകം അവതരിപ്പിച്ചു. കേരള സംസ്ഥാന ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സഹകരണത്തോടെയാണ് പരിപാടികൾ സംഘടിപ്പിച്ചത്.



അന്താരാഷ്ട്ര ഓസോൺ ദിനാചരണത്തിന്റെ ഭാഗമായി തേവര സേക്രഡ് ഹാർട്ട് കോളജിൽ ഭൂമിത്രസേന ക്ലബ്ബ് അംഗങ്ങൾ അവതരിപ്പിച്ച 'ഭൂമിക്കൊരു കൂട നമുക്കൊരു തണൽ' എന്ന തെരുവുനാടകം.

0484-2776374, 2779102.

ഓസോൺ ദിനാചരണം നടത്തി

കൊച്ചി: അന്താരാഷ്ട്ര ഓസോൺ ദിനാചരണത്തോടനുബന്ധിച്ച് തേവര എസ്എച്ച് കോളജിൽ ഓസോൺ ദിനം ആചരിച്ചു. ഭാഭ അറ്റോമിക് റിസർച്ച് സെന്ററിലെ ശാസ്ത്രജ്ഞയായ ഡോ. ഡെയ്സി ജോസഫ് മുഖ്യപ്രഭാഷണം നടത്തി. കോളജിലെ ഭൂമിത്രസേന ക്ലബ്ബിന്റെ ആഭിമുഖ്യത്തിൽ നടന്നുവരുന്ന പരിപാടികളുടെ ഭാഗമായാണ് ദിനാചരണം സംഘടിപ്പിച്ചത്.

കോളജ് പ്രിൻസിപ്പൽ റവ.ഡോ. പ്രശാന്ത് പാലയ്ക്കാപ്പിള്ളിൽ, കെമിസ്ട്രി വിഭാഗം മേധാവി ഡോ. ജോസഫ് ജോൺ, അധ്യാപകരായ ഡോ. ജിബി കുര്യാക്കോസ്, മിഥുൻ ഡൊമിനിക്, ഡോ. ടി.ജെ. ജയിംസ് എന്നിവർ പങ്കെടുത്തു. ഡോ. ഡെയ്സി ജോസഫ് കോളജ് ക്യാമ്പസിൽ കാട്ടു ചുരൽ തൈ നട്ടു. കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സാമ്പത്തിക സഹായത്തോടെയാണ് പരിപാടി സംഘടിപ്പിച്ചത്.

OBSERVATION OF WORLD WETLAND DAY

On 2nd February 2015 Bhoomithrasena Club of Sacred Heart College (Autonomous), Thevara observed World Wetland Day with special emphasis on the topic 'Wetlands for our future'. The programs were sponsored by KSCSTE (Kerala State Council for Science Technology and Environment).

Intercollegiate photography and poster competition were held at Sacred Heart College on behalf of World Wetland Day celebration. The topic of poster competition was "Wetlands for Our Future" and that for photography competition was "Biodiversity of Wetlands in Ernakulam District". Registration for competitions was started at 9 am on the same day itself. Students from various colleges like Maharaja's college Ernakulam, St. Paul's college, Kalamassery, U C college, Aluva, St. Albert's college Ernakulam etc. were participated in these competitions. Students were provided with space for poster designing. The competitions were come to an end at around 11: 00 A M and the posters and photographs were displayed at the college portico. The morning session came to an end at 12: 30 P M.

The core programme was started at 1: 45 P M with a prayer song by Ms. Saranya C S of IInd BSc Botany. The coordinator of the programme Dr. Midhun Dominic C D welcomed the gathering. Rev. Fr. Prasant Palackappillil, CMI (Principal S H College, Thevara) has delivered the presidential address. He has always been supportive in all our ventures. Dr. V Kripa (HOD and PS, Fishery Environment Management Division, CMFRI, Kochi) inaugurated the function and gave a lecture on the topic "Significance of Wetlands and its effect on climatic change". In her lecture she emphasized the importance of preserving wetlands for future generations. The talk was really inspiring and informative. Dr. V C George (Director, Aqua- Culture Department, S H College, Thevara) and Dr. Giby Kuriakose (Nature Club Coordinator of S H College, Thevara) facilitated the function. Neeraj K Manoj of S H College, Thevara has won the first prize in photography competition. Anish Abraham and Abhijith D Kumar of Sacred Heart School of Communication bag the second and third prize respectively. Jomon George of St. Paul's college Kalamassery has won the first prize in the poster

competition. Anson G Thambi of U C college, Aluva won the second prize and Krishnadas M of S H College Thevara has won the third prize. Winners were awarded with certificates, medals and cash prizes. About 100 students were attended the function and the programme was close to an end at 4: 00 P M



Welcome Address by Dr. Midhun Dominic C D (Coordinator)



Presidential address by Rev. Fr. Prasant Palackappillil, CMI (Principal, S.H College)



Invited talk by Chief Guest, Dr. V Kripa (Scientist, CMFRI, Kochi)



Poster competition organized by Bhoomithrasena club members in connection with World Wetland Day

Winners of poster and photography competitions were receiving cash prizes, certificates and medals from Dr. V Kripa







News Paper Reports On World Wetland Day

Deepika, 2015 February 2, Page 3

OBSERVATION OF WORLD WETLAND DAY 2015
 Talk by Dr. V.K. RIPA
 Topic: SIGNIFICANCE OF WETLANDS + ITS EFFECT ON CLIMATE CHANGE

തേവര കോളജിൽ ഫോർട്ട് കോളജിൽ നടത്തിയ ലോക തണ്ണീർത്തട ദിനാചരണത്തിൽ പ്രതിനിധി പൂർണ്ണ വേദം പ്രധാന പാലയം അച്ചിട്ടുള്ള പ്രസംഗിക്കുന്നു.

തേവര കോളജിൽ ലോക തണ്ണീർത്തട ദിനാചരണം നടത്തി

കൊച്ചി: തണ്ണീർത്തട സംരക്ഷണത്തിന്റെ ആവശ്യം ഓർമ്മിപ്പിച്ച് തേവര കോളജിൽ ഫോർട്ട് കോളജിൽ ലോക തണ്ണീർത്തട ദിനാചരണം നടത്തി തണ്ണീർക്കടലിനുണ്ടാകുന്ന നാശവും അതുണ്ടാക്കുന്ന കാലാവസ്ഥാ സ്വതന്ത്രതയെക്കുറിച്ചും ചുറ്റിപ്പറ്റി പ്രശസ്ത ശാസ്ത്രജ്ഞൻ ഡോ. വി. കൃഷ്ണമൂർത്തി പ്രസംഗം നടത്തി. പ്രതിനിധി പൂർണ്ണ വേദം പ്രധാന പാലയം അച്ചിട്ടുള്ള പ്രസംഗിക്കുന്നു.

തേവര കോളജിൽ തണ്ണീർത്തട ദിനാചരണം നടത്തിയ ചടങ്ങിൽ പങ്കെടുത്തവർ.

പരിസ്ഥിതി കുറയ്ക്കലും നാശനഷ്ടങ്ങളും പരിഹരിക്കാനും പരിശീലിച്ചു.

KERALA ayurveda
 CIN: L24233KL1992PL006592
 Regd. Office: VII/415, Nedumbassery, Athani PO, Aluva - 683 585, info@keralasyurveda.biz

NOTICE
 Notice is hereby given in terms of Clause 41 of the Listing Agreement with Stock Exchanges, that a Board Meeting of Kerala Ayurveda Ltd will be held on 10th February, 2015 at the Corporate office of the company, Bangalore to inter-alia consider and approve the Unaudited Financial Results of the company for the quarter ended 31st December 2014.

By Kerala Ayurveda Ltd.
 Sd/-
K. Raghunathan
 Company Secretary

Place: Athani
 Date: 2nd February 2015

F1562-977549

തണ്ണീർത്തട സംരക്ഷണ സന്ദേശവുമായി തേവര കോളേജ്

കൊച്ചി: തണ്ണീർത്തട സംരക്ഷണത്തിന്റെ ആവശ്യകത ഓർമ്മിപ്പിച്ചുകൊണ്ട് തേവര കോളേജിൽ ലോക തണ്ണീർത്തട ദിനം ആചരിച്ചു. തണ്ണീർത്തടത്തിനുണ്ടാകുന്ന നാശത്തെയും അതുണ്ടാക്കുന്ന കാലാവസ്ഥാ മാറ്റങ്ങളെയും കുറിച്ച് പ്രശസ്ത ശാസ്ത്രജ്ഞ ഡോ. വി. കൃപ മുഖ്യപ്രഭാഷണം നടത്തി. കോളേജ് പ്രിൻസിപ്പൽ ഡോ. പ്രശാന്ത് പാലയ്ക്കാപ്പിള്ളിൽ അദ്ധ്യക്ഷത വഹിച്ചു. അദ്ധ്യാപകരായ ഡോ. വി.സി. ജോർജ്ജ്, ഡോ.

ജിബി കുര്യാക്കോസ് എന്നിവർ പ്രസംഗിച്ചു. മിനറോപോഷത്തിന്റെ ഭാഗമായി നടന്ന പോസ്റ്റർ, ഫോട്ടോഗ്രാഫി മത്സരങ്ങളിൽ വിജയികളായവർക്ക് ഡോ. വി. കൃപ സർട്ടിഫിക്കറ്റുകളും കാമ്പ് അവാർഡും നൽകി. കോളേജിലെ പ്രൊഫ. മിഥുൻ ഡൊമിനിക്കിന്റെ നേതൃത്വത്തിലുള്ള ഡിസ്ട്രിബ്യൂഷൻ കേരള സംസ്ഥാന ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലും ചേർന്നാണ് പരിപാടി സംഘടിപ്പിച്ചത്.



Students of Kochi's Sacred Heart College observed World Wetlands Day on February 2. A range of activities including a painting exhibition, panel discussion and seminars were conducted by Bhoomitrasena Club of the college as part of the celebrations.

REPORT OF ACTIVITIES CONDUCTED IN CONNECTION WITH NATIONAL SCIENCE DAY CELEBRATIONS- (2014-2015)

BODHI 2015

National Science Day is celebrated in India on February 28th each year to mark the discovery of the Raman Effect by Indian physicist Sir Chandrasekhara Venkata Raman on February 28th, 1928. In connection with this the Department of Chemistry of Sacred Heart College, Thevara and Bhoomithrasena club organized Bodhi 2015 with the support of Kerala State Council of Science Technology and Environment. The following events were conducted in connection with Bodhi 2015;

- 1) Popular lecture
- 2) Chemistry Awareness Programme (CAP) and chemistry magic for school students.
- 3) Chemistry quiz for college students.

The organizing committee for 2015 was elected with the manager of Sacred Heart College, Rev. Dr. Jose Kuriedath CMI as the patron, Rev. Fr. Prasant Palakkapillil, CMI the principal of the college as the chairman, Dr. Joseph John, Head of the Department of Chemistry as the convener, Dr. Midhun Dominic C D as the programme coordinator and the rest of the faculty of the Department of chemistry as the members of the committee.

INAUGURAL FUNCTION OF BODHI 2014-2015

The National Science Day celebrations kick started with the inaugural function on 25th of February conducted at the college auditorium. The chief guest of the day was Prof. Dr. Rani Joseph (Professor Emeritus, Department of Polymer Science and Rubber Technology, Cochin University of Science And Technology). The inaugural function was presided over by Rev. Fr. Jose Kuriedath CMI, Manager, Sacred Heart College Thevara. The inaugural function started at 9:00 A M. 50 students accompanied by



their teachers from 5 different schools namely Sacred Heart high school Thevara, T D high School Mattancherry, CCPLM high school Perumanoor, St. Thomas girls high school Perumanoor attended the function. Dr. Joseph John, Head of the Department of Chemistry welcomed the gathering and the chief guest of the day Prof. Dr. Rani Joseph inaugurated Bodhi 2015 by performing an exciting experiment. Her inaugural address inspired the audience

tremendously .The inaugural function ended with the words of gratitude by Dr. Midhun Dominic CD, the programme coordinator.

The inaugural function was followed by a tea break.



LAUNCH OF CHEMISTRY AWARENESS PROGRAMME

The technical session of Bodhi 2015 started with the invited talk by Dr. Rani Joseph on the topic “science for nation building.” The talk was very informative and was very lightly explained so that the school students easily grasped the ideas. The students came up with interesting doubts and questions and the professor was very enthusiastic in clearing them. The invited talk was followed by the launch of Chemistry Awareness Programme (CAP). This marked the end of the morning session and the group was adjourned for lunch. The guests were served sumptuous nadan Kerala sadhya.



MAGIC OF CHEMISTRY

The afternoon session witnessed “The Magic of Chemistry” programme, in which around 26 simple yet strikingly curious chemistry experiments were demonstrated. The experiments were arranged in the two post graduate chemistry labs of the college and the students were divided into groups of five. The experiments were arranged and managed with the help of final year post graduate students of Sacred Heart College. These experiments were based on simple chemistry and the student community received it with awe. Each experiment was explained very vividly which made them understand that the magic of chemistry was rather explanatory and the science behind these magic acts were simple. The experiments were demonstrated to each group of students and the facts were explained to them with the help of chart papers and power point presentations so that the students can easily read it out. The students were very curious and was writing down every possible details of each of the experiments. They were very lavish in asking questions and their curious budding minds were filled with infectious energy. Almost all experiments ignited their scientific temper and they were easily taken to the magic world of chemistry. This was clearly reflected in their feedback forms written at the end of the day which was filled with enthusiastic and heart filled comments and suggestions.

The day's programme came to an end with the valedictory function which was presided over by Dr. Joseph John, Head of the Department of chemistry. Students and teachers shared their experiences and suggested their willingness to participate in the future years. Refreshments were served at the end.





CHEMISTRY QUIZ

National Science Day celebrations continued to 28th of February, when chemistry quiz was conducted for the college students. Various graduate and postgraduate students from 14 different colleges participated in the intercollegiate quiz competition. Thus 14 different teams each consisting of two members participated in the preliminary round, which consisted of a written test. Four teams each from K E College Mannanam, Devamatha College Kuravilangad, Sacred Heart College Thevara and CMS College Kottayam were selected for the final round. Dr. Midhun Dominic CD was the quiz master and Dr. Ramakrishnan was the scorer. The final round consisted of 4 sections. At the end of the quiz, Mr. Akash Chacko and Mr. Jibin K. P of K. E College Mannanam were declared as the winner. Ms. Ashita Tom and Ms. Simjamol A C of SH college bagged second prize and Mr. Alan Jose and Robin John of Devamatha College was adjusted the 2nd runner up and the consolation prize was given to Ms. Athira Chandran and Mr. Ashish John of CMS College. Cash prizes, certificates and medals were distributed to the winners by Dr. Joseph John, Head of the Department of Chemistry. Lunch was arranged for the participants.



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തേവര കോളേജിൽ ശാസ്ത്രദിനം ആചരിച്ചു

കൊച്ചി: അന്താരാഷ്ട്ര ശാസ്ത്രദിനത്തോടനുബന്ധിച്ച് തേവര കോളേജിൽ ബോധി-2015 സംഘടിപ്പിച്ചു. കൊച്ചിൻ സർവകലാശാല പോളിമർ സെന്റർ ആൻഡ് റബ്ബർ ടെക്നോളജി വിഭാഗം പ്രൊഫ. സർ എ.ജെ.എസ്. ഡോ. റാണി ജോസഫ് ഉദ്ഘാടനം ചെയ്തു. കോളേജ് മാനേജർ ഫാ. ജോസ് കുറിയേടത്ത് അദ്ധ്യക്ഷത വഹിച്ചു. ഡോ. ജോസഫ് ജോൺ, പ്രൊഫ. മിഥുൻ ഡൊമിനിക് തുടങ്ങിയവർ പ്രസംഗിച്ചു. ബോധി-20 അനുബന്ധമായിട്ടുള്ള ശാസ്ത്രപ്രവർത്തനത്തിൽ 200 വിദ്യാർത്ഥികൾ പങ്കെടുത്തു. കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സഹായത്തോടെ തേവര കോളേജിലെ കെമിസ്ട്രി വിഭാഗവും ഭൂമിശാസ്ത്ര ക്ലബ്ബും സംയുക്തമായി പരിപാടി സംഘടിപ്പിച്ചു.

അന്താരാഷ്ട്ര ശാസ്ത്രദിനത്തോടനുബന്ധിച്ച് തേവര കോളേജിൽ സംഘടിപ്പിച്ച 'ബോധി-2015' ഡോ. റാണി ജോസഫ് ഉദ്ഘാടനം ചെയ്യുന്നു. ഡോ. ജോസഫ് ജോൺ, ഫാ. ജോസ് കുറിയേടത്ത്, സിന്റജാമോൾ, പ്രൊഫ. മിഥുൻ ഡൊമിനിക് എന്നിവർ സജ്ജം.

ഇടക്കൊച്ചിത്തകിത്ത് തേവര കോളേജിൽ നടന്ന അവിഭാജ്യ ഇന്റർസ്കൂളിനോടും തേവര കോളേജിനോടും ബന്ധിച്ച് പ്രസിഡൻ്റ് ക്ലബ്ബിന് ഇഷ്ടപ്പെട്ടിട്ടുള്ള കൂട്ടുകൾ, പ്രിൻസിപ്പൽ സിസ്റ്റർ ക്ലബ്ബ് എന്നിവർക്കൊപ്പം.

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തേവര കോളേജിൽ 'ബോധി 2015'

കൊച്ചി: അന്താരാഷ്ട്ര ശാസ്ത്രദിനത്തോടനുബന്ധിച്ച് തേവര സെക്രൂൾ ഹാർട്ട് കോളേജിൽ 'ബോധി 2015' സംഘടിപ്പിച്ചു. കൊച്ചിൻ യൂണിവേഴ്സിറ്റി പോളിമർ സെന്റർ ആൻഡ് റബ്ബർ ടെക്നോളജി വിഭാഗം പ്രൊഫ. സർ ഡോ. റാണി ജോസഫ് ഉദ്ഘാടനം ചെയ്തു. കോളേജ് മാനേജർ ഫാ. ജോസ് കുറിയേടത്ത് അദ്ധ്യക്ഷനായി. ഡോ. ജോസഫ് ജോൺ, പ്രൊഫ. മിഥുൻ ഡൊമിനിക് തുടങ്ങിയവർ പങ്കെടുത്തു. ശാസ്ത്രപ്രദർശനത്തിൽ ഇരുനൂറ്റോളം വിദ്യാർത്ഥികൾ പങ്കെടുത്തു. കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സഹായത്തോടെ തേവര കോളേജിലെ കെമിസ്ട്രി വിഭാഗവും ഭൂമിശാസ്ത്ര ക്ലബ്ബും ചേർന്നാണ് 'ബോധി 2015' സംഘടിപ്പിച്ചത്.

This marked the end of this year's National Science day celebrations.



Dr. Johnson X Palackappillil
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013