

## GREEN INITIATIVES

### AWARENESS PROGRAMMES

#### Science exhibitions

Science exhibitions are held for aesthetic reasons as well as to develop awareness amongst the general public about keeping their dwellings and the environment clean, healthy, green and colourful. Science exhibitions are arranged every year and involve keeping the garden and plant houses open to the public, students and teachers. An Exhibition on 'Treasures of Nature' exhibited various models and charts on evolution of plant kingdom, types of ecosystem, threats to nature and conservation strategies. An exhibition 'Planta Vista' was organized to exhibit plants belonging to major groups like Algae, Fungi, Bryophytes & Pteridophytes. Various charts, models and handicrafts using plant materials were also exhibited. An Exhibition on 'Herbal Wonders' was also conducted where 50 indigenous medicinal plants were exhibited along with their local and scientific names and family.





The students of the Department of Botany conducted an Exhibition on 'PLANTA VARIETAS' on 27th September 2019. The exhibition was inaugurated by Dr. Caroline Beena Mendez, Principal, All Saints' College, Trivandrum.



- NSS Unit of the college observed Coconut Day by displaying collages and handicrafts made from coconut parts.



**Coconut Day Observation**



### **EXHIBITION AND LECTURE FOR SCHOOL STUDENTS**

As part of the ‘Science Popularisation Program’ organized by the Department of Botany, students and faculty members of the Trivandrum International School (TRINS) visited Life Science laboratories of our college. The students were familiarised with various lab equipments and tissue culture facilities. A visit was arranged to Botany and Zoology museum of our college. An exhibition on ‘Plant Diversity’ was organized for the students to familiarise diverse classes of plants. Dr. Nisha K. K. delivered a lecture on the same topic for the students.



- Know our plants

The daily display of local plants with their vernacular name, binomial, family and uses is done by the students of Botany department. This helps to bring awareness among students about the common plants of our college.





**News related to nature and nature conservation were displayed weekly**

- A one day workshop on the theme ‘Beat Plastic Pollution ‘ was jointly organized by the Kuruvi Nature Club and WWF for the nature club members on 13-3-19 at All Saints’ College in the Conference Hall. The programme was inaugurated by Mr. Renjan Mathew Varghese, Director, WWF-India- Kerala State. Dr. Dhanalekshmy T.G., H.O.D., Department of Zoology delivered the welcome speech and Dr. Caroline Beena Mendez, Principal gave the Presidential address. Ms. Anusreedha Sivanandan, Project Officer,

WWF-India gave the introductory speech about the workshop and Smt. Divya Grace Dilip delivered the vote of thanks. The programme was conducted from 10.30 am to 3.30 pm with various activity and presentation sessions. 37 students participated in the workshop. The feed back from the participants was extremely good. Certificate of participation was issued by WWF for the students.



- **Tiger day celebrations**

Poster exhibition on September 3<sup>rd</sup> 2019 detailing the habit, habitat and feeding habits of tiger was conducted by the Kuruvi Nature club at the college



- Inter department quiz competition was organized by nature club on September 3<sup>rd</sup> 2019 as part of the Tiger day celebrations. Dr. Parvathy Menon was the quiz master. Amina A S and Ann Paul of BA Economics won first prize, Aleesha Fathima SL and Gaadha BR of

M.Sc. Environmental Sciences and Archana R and Keerthana Francis of B.Sc. Botany secured second and third prize respectively. Dr. Sr. Pasceola Adelrich Dsouza distributed prizes for the winners



- **Honey bee amazing pollinators of ecosystem**

An awareness programme on the importance of insect pollinators in an ecosystem was organized on 23<sup>rd</sup> January 2020 sponsored by All Saints' College for the nature club members



A lead talk was done by Dr. Amritha VS, Assistant Professor and Principal Investigator, AICRP on Honey Bee and pollinators, Dept of Aricultural Entomology, College of Agriculture for the nature club members

- **Exhibition on Mosquitoes**

Nature club members organized a poster exhibition on the diversity of mosquitoes in our locality, the types of diseases spread by mosquitoes. Importance of dry day was highlighted in the exhibition.



Eradication of mosquitoes by mosquito repellent plants and biopesticides attracted the attention of students who visited the exhibition

- Enviromental club initiated a programme '**Germplasm collection of Capsicum**' by which all the Capsicum varieties, both cultivated and wild, are collected and conserved in the garden. Members of the club organized a 'Seeds Puzzle' in

connection with the exhibition 'Hortus Planta' conducted by the department of Botany. Ms. Ardra of DC Economics got first prize.



- **Preparation of labels**

The plant diversity of the campus was identified for its correct binomial with the service of experts from Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode. Name boards were prepared by the environmental club members and were fixed in the plants of the Garden of Eden and Medicinal Garden.





### Green Initiative GO GREEN

Go Green programme was conducted by the NSS Units of All Saints college under the banner GO GREEN, GO CLEAN, GO QUICK TO SAVE on 30<sup>th</sup> January 2018





- Bhoomitra sena club put up many play cards within the campus which give an insights to the students and the visitors about the conservation of Nature and Natural resources and also the vision to love nature.

- **World Environment Day Celebrations**

The celebrations in relation to the World Environment Day are conducted around the world to inspire more people to take action to prevent the degradation of our environment and to make it suitable for the sustainable inhabitation of all organisms. The 2016 theme highlights the fight against the illegal trade in wildlife, and this year's slogan is "Go Wild for Life". Bhoomitra Sena Club of All Saints' College conducted a series of activities which spanned a whole week in connection with the observation of World Environment Day - 2016.

- **Essay Writing Competition**

An essay writing competition was held on 7<sup>th</sup> June, 2016 for the students of the college. The theme of the competition was the slogan of this year, 'Go Wild for Life' with special focus on Illegal wild life trade. Ms. Shalot Sabu of III DC Physics got the first prize, Anjitha of III DC Communicative English got the II position and Gopika Gopan of III DC Communicative English secured the third position. The certificates and cash awards (Rs. 1000/- for first, Rs. 750 for II and Rs. 500/- for the third positions respectively) were announced.



- **Poster Making Competition**

A poster making competition was also conducted on 8<sup>th</sup> June, 2016 with the same theme. Anu Longian of IV semester B. Sc. Botany came to the first position, Silpa Sasidharan of II Semester M. Sc. Environmental Sciences came to second and Ms. Rose Mary Noble of IV semester M. Sc. Environmental Sciences came to the third positions respectively. The certificates and cash awards (Rs. 1000/- for first, Rs. 750 for II and Rs. 500/- for the third positions respectively) were announced. The poster of the competition was exhibited in the corridor of the college. All the students and the faculty of the college got a chance to see and comment on the posters.



- **Demonstrations of the activities of bio-compost unit run by the club to the students of the college**

On 10<sup>th</sup> June, 2016, the club members conducted a demonstration of activities of the bio-compost unit was done for the students of the college. They explained the technique, the essential microbial mixture they used, the regularity of overturning, moistening etc and also the advantages of bio-composting using microbial inoculum over vermin-composting. These activities were done with the support rendered by the Department of Environment and Climate Change.



- The Bhoomitra sena club organized a Regional Seminar on the 23<sup>rd</sup> of March 2018 as part of the World Water Day – 2018 observance. An intercollegiate poster designing competition was conducted as part of this and certificates and cash prizes were distributed.



- As a part of giving awareness to students, the need for following Green Protocol, an essay writing competition was conducted on the topic **SOCIAL COMMITMENT OF YOUTH IN FOLLOWING GREEN PROTOCOL**. Around 20 students participated in the competition which was held from 1:30 pm in the conference hall of the All Saints' College. First three positions were identified and were mentioned in the units.



- Dr. Smitha Asok V as Co-ordinator of the Biodiversity Club, organized an International Special Lecture on 'Theoretical and Practical Introduction to SAR Remote Sensing as a Tool for Biodiversity Conservation' by Dr. Vishnu Nandan, Post Doctoral Researcher at the Cryosphere Climate Research Group, University of Calgary, Canada, on 18<sup>th</sup> December, 2017, in the College.
- 'Eco Discussion Forum' conducted weekly during which the members discussed on various topics relates to environment protection and conservation



## **Water Education Mission**

Two volunteers (Hima U. S. and Ardra B.) took an awareness class on water conservation as part of Water Education Mission for first year undergraduate students of All Saints' College. The students successfully accepted the Buddy Bottle Challenge. The class

was held in the presence of the Program Coordinators; Dr. Kavitha.N and Dr. Ayona Jayadev.



NSS unit of our college displayed posters and collages on behalf of world ozone preservation day



The BMC observed the World Wetland Day – 2018 in the college by organizing a poster designing competition and poster exhibition on the theme of the year to give the students an insight for the need of sustainable maintenance of urban wetlands. Certificates and cash prizes were distributed to the winners.



The Bhoomithra Sena Club organized an invited talk “Connecting People with Nature” as part of World Environment Day celebrations, 2017 on 13.06.2017. The invited speaker for the programme was Dr. Allan Thomas, Assistant Professor (Sel. Grade), Department of Agricultural Extension



1. The club organized an invited lecture on the theme ‘Beat Plastic Pollution: If you cannot reuse it refuse it’ by Dr. Vishnu V S in association with the observance of World Environment Day 2018 in association with the Post Graduate Department of Environmental Sciences at the Audio Visual Hall, All Saints’ College on 6th June, 2018.





As part of the observance of the World Ozone Day 2018, the Bhoomitra Sena Club of the College conducted a series of activities. The activities conducted were:

1. Workshop on 'Keep Cool and Carry on: The Montreal Protocol' followed by PowerPoint presentation competition
2. An awareness lecture on the importance of Ozone and the need of its sustenance
3. A slogan writing competition
4. A poster designing competition on the theme of the year

**Workshop on 'Keep Cool and Carry on: The Montreal Protocol' (For this programme, financial support was received from KSCSTE also)**

Registration to the programme started from 9.30. Sixty Eight participants registered for the programme. At 10.00 am, the Inaugural Session started. The meeting was presided over by the Principal, Dr. Caroline Beena Mendez. Welcome to the dais and audience in the inaugural

session was given by Dr. Reshma J K, Head, Department of Environmental Sciences, All Saints' college. This was followed by the presidential address by the Principal. The programme was officially inaugurated by an inaugural address by Mr. Renjan Mathew Varghese who was also the expert for the technical session. In the inaugural address, he stressed the importance of the Ozone Layer and the need for the same for the existence of life on earth. The co-ordinator of the programme, Dr. Ayona Jayadev Assistant Professor, Department of Environmental Sciences, All Saints' College proposed the vote of thanks to the gathering.

After a short tea break, the technical session started. The technical session was by Mr. Renjan Mathew Varghese, State Director, WWF, India. The expert was introduced to the audience by Dr. Smitha Asok V., Assistant Professor, Department of Environmental Sciences, All Saints' College, Thiruvananthapuram. The session was an interactive one with a lot of questions from the students. The session focused on the 17 sustainable goals of the United Nations General Assembly. It was indeed of great benefit to the students. Thanking the expert, the session was followed by lunch break.





### **PowerPoint presentation competition**

PowerPoint presentation competition on two different themes '**Keep cool and carry on! The Montreal Protocol**' was conducted in the afternoon sessions of the day. The competition was evaluated by Dr. Vishnu V. S., Assistant Professor, Department of Chemistry, Government Arts College, Thiruvananthapuram. Evaluation was done according to some rubrics. The first, second and third positions for the competitions went to Safwana Saji Ahamed and Sruthy Krishnan, Nafila Mubarak and Aparna and Siddharth Vikam and Adith Krishna A. The cash prizes were given away by the expert and certificates by the Principal.





### **Awareness Lecture**

The importance of Ozone layer is now known to students. But as they are growing to mature citizens and are going to take decisions in the near future, their outlook on life and actions need to be in accordance with the Climate harmony. So a need of repetitive sensitization on issues related to Environment and Climate is very much necessary. Keeping that in mind, an invited lecture was conducted in the college on 18<sup>th</sup> September, 2018 in the Audio Visual Hall of All Saints' College. A good crowd of audience including the Bhoomitra Sena Club members and students of other Departments of the college were the beneficiaries of the programme. The invited speaker of the programme was Dr. Beena Lawrance of Women's Christian College, Nagercoil. The photos of the programme are appended.



### **Slogan Writing Competition**

A slogan writing competition was held among the members of Bhoomitra Sena Club of the college with the theme of the year of World Ozone Day observance 2018: 'Keep Cool and Carry on: The Montreal Protocol'. Arundhathy Rajendran M came to the first, Aleesha Fathima came to the second and Chaithra M J. came to the third positions respectively and cash prizes and certificates were given away for the same.



I

"രക്ഷിതൃ മനുഷ്യാ നീ നിന്നു രന്നു  
താരതാദ ഓസോൺ ഇനി ക്വിലിമിട്ടു"

II

Protect Ozone for your children  
Or else they will be in Nozone . . . . .

III

PROTECT OZONE  
GET INTO THE 'SAFE ZONE'

**Poster Designing Competition**

An inter-collegiate poster Designing competition was conducted on 28<sup>th</sup> of September. Cash prizes and certificates were given to the winners and certificates to the participants from the annual support of the club.



The certificates and cash prizes for the winners were given away by the principal.



### **Activities conducted in relation to the Observance of UN Observed Days 2019 by the Bhoomitra Sena Club of the All Saints' College**

Using the special grant-in-aid for conducting two of the UN Declared Days 2019, the BMC of All Saints' College observed World Forestry day 2019 and World Water Day 2019. The two observations were done on two different days based on the availability of greater number of audience as well as other functions in the college.

For observance of World Forestry day, 2019 the programme included an invited lecture of Mr. Hamidali Vazhakkod, District Coordinator, National Green Corps, Malappuram. NSS volunteers who were attending annual camp also attended the talk. The talk was conducted on 14<sup>th</sup> March, 2019. The participants were greatly benefitted by the session and they interacted well during the session.





After the talk, the students were taken to a campus tour to show the natural systems functioning together for the existence of nature.



After the talk, the students were given a film show to convey the importance of existence and sustainable use of forests.





Following the lecture and film show, the club members distributed small fruit bearing tree saplings to some of the houses of the locality.





The World Water Day 2019 was observed on 27<sup>th</sup> March, 2019. The observance included an invited lecture on “Water Conservation – leaving no one behind”.





A poster designing competition was also organized in this connection. Of the participants of the competition, Jessy Johny came first, Athulya T. S. came second and Parvathy came to the third position. Cash prizes and certificates were given to the winners at the valedictory.



After the session, a surprise competition was conducted. The extempore was conducted on the theme “Leaving no one behind” Of the six students who came forward for the extempore, one student was selected for a cash prize and certificate.





The members enjoyed the competition and were very active. After the programme, certificates and cash prizes were distributed by the expert of the day.

- As part of the World Environment Day 2019 observations, the Bhoomithra Sena Club applied and procured 200 tree saplings from the Social Forestry Division, Kerala Forest Department and the BMC members planted these in the college premises on 6<sup>th</sup> June, 2019



1. Conducted a poster making competition and display of the posters in relation to the observance of World Ozone Day 2019 on 16<sup>th</sup> September, 2019





2. Organized a promotion lecture in the college by WWF as part of WWF-India's Echo, which is a youth volunteering program in the AV Hall on 25<sup>th</sup> September, 2019





3. Started an organic vegetable garden in the college for pesticide free and non-fertilizer applied vegetables in earthen pots in the college







4. Conducted an essay writing competition in connection with National Science Day 2020 on 27<sup>th</sup> February 2020



1. On 6<sup>th</sup> December 2019 a lecture and Exhibition on 'The Ferns of the Western Ghats' were organised by the Department of Botany. Dr. Raju Antony, Technical Officer, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode delivered a lecture on the topic and the students collected and presented more than 25 species of ferns and The plants were identified with expert assistance.



- **Department of Botany** conducted **National Science Day celebrations 2020** with the sponsorship of the **Kerala State Council for Science Technology and Environment supported by Department of Science & Technology Govt. of India** on 5<sup>th</sup> February 2020. The theme of the programme was ‘Women in Science’. As part of it One day Seminar on ‘Conservation of Nature with Special Reference to Plant Diversity’ was organized Seminar was inaugurated by Dr. V. Balakrishnan, Member Secretary, Kerala State Biodiversity Board. He also delivered the key Note address. Dr. C. Sathish Kumar, Senior Scientist (Rtd.), Dr. E. S. Santhosh Kumar, Technical Officer, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, and Dr. Ayona Jayadev delivered lectures. The Higher Secondary students of St. Marys Higher Secondary School, Vettucaud also attended the seminar. An exhibition on ‘Botanical Illustrations’ was conducted exhibiting the botanical drawings and paintings of eminent personalities as well as the talented students of the department. The Higher Secondary students of St. Marys Higher Secondary School also visited the exhibition. All Saints’ College sponsored intercollegiate competition on ‘Plant Art’ was also organized. Ms. Aiswarya S. S. (University College) , Ms. Aparna A. P. (NSS College for Women, Neeramankara) and Ms. Akshaya B.S. (All Saints’ College) bagged first, Second and Third Prizes in the event

### **Seminar on ‘ Conservation of Nature with Special Reference to Plant Diversity’**





**Exhibition on ' Botanical Illustrations' - exhibiting the botanical drawings and paintings of eminent personalities as well as the talented students of the department.**





**Intercollegiate competition on “Plant Art’**

