

# **Providence Women's College, Calicut-673009**



## **CRITERION 7.1.5 Green Campus Initiatives**

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# 1. Awareness Discussions

Human beings are dependent on Nature for his survival, and the thought has to be inculcated in the young minds and passed on to the generations. Observing the days relevant to environment conservation, conducting discussions on the environmental issues and developing the strategies to rectify the same were done by the students and staff under various platforms. Online discussions were carried out on Google platform during the important days to observe under the supervision of peers in relevant arenas.

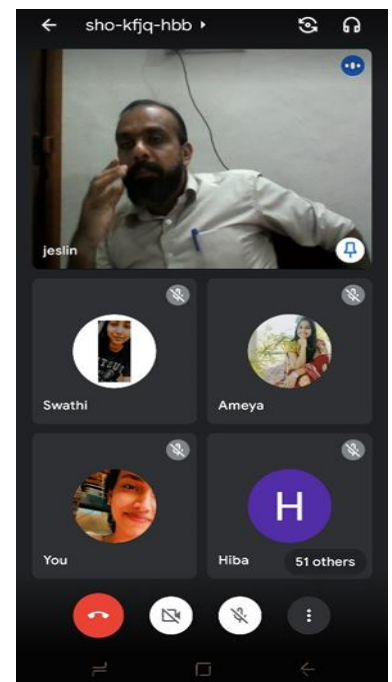


## Webinar on Tropical Cyclones

As a part of World Environmental Day, the Department of Physics Organized a webinar to give an awareness on Tropical Cyclones on 5<sup>th</sup> June, 2020. Dr. Rajasree VPM, Post Doc fellow, Center for Atmospheric and Climate Physics Research, University of Hertfordshire, UK was the resourceful guest of honour. 48 participants including the students and staff enrolled for this online meet up.

## A Ray of Hope

The Department of Psychology organized a talk on 31st May 2021, via Google meet so as to make students aware of the importance of eliminating the use of Tobacco and their role in supporting the affected class of people in the society. The Consultant psychologist Mr. Binu Raj served as the resource person



## Words from the Peers

The Department of English in association with Environment Club organised a talk on environment ethics in times of Covid 19 pandemic. The speaker of the day was Prof. Shobeendran T., the renowned environmentalist. The programme was conducted online on Google meet platform on 2<sup>nd</sup> June, 2021 at 4 p.m. The students and staff of various departments joined for the programme for getting informed from his excellency.

The link for the online programme was <http://meet.google.com/mex-uajx-kxx>

GRASS ROOTS  
DEPARTMENT OF ENGLISH  
PROVIDENCE WOMEN'S COLLEGE  
CALICUT-673009

ONLINE WEBINAR

**ENVIRONMENTAL ETHICS IN  
TIMES OF COVID-19 PANDEMIC**

INVITED TALK BY PROF. T. SHOBEENDRAN

Inauguration : Dr. Sr. Ashmitha  
(Principal, Providence Women's College)

Felicitation: Dr. Minoo Divakarn  
(IQAC Co-ordinator)

**JUNE 2, 2021  
4 PM - 5 PM**

Professor T. Shobeendran is a full time environmentalist and former Professor at Zamorin's Guruvayurappan College, Kozhikode. A recipient of Vanamitra Award by Government of Kerala in 2006 and Vriksha Mithra Award by Government of India in 2007.

## Our 'Buds' as resource persons

INVITED  
STUDENT  
TALK  
SERIES

TALK  
14

A WORLD ENVIRONMENT DAY INITIATIVE  
2021

**Megha Suresh**  
(II Sem, MA English  
Providence Women's College, Calicut)  
on  
Ecofeminism in the Context of  
'Gone with the Wind' by Margaret  
Mitchell

26 JULY 21 - 10.10AM - G MEET

DEPT OF ENGLISH & NATURE CLUB  
AL SHIFA COLLEGE OF ARTS & SCIENCE  
PERINTHALMANNA, KERALA

AL SHIFA COLLEGE OF  
ARTS & SCIENCE

CERTIFICATE  
OF APPRECIATION

This certificate is presented to Mr./ Ms. Megha Suresh, 2nd MA English, Providence Women's College, Malaparamba, Calicut, Kerala, for presenting an online talk titled, "A Peep into the After-Effects of War and Human Activities on the Environment: 'Gone With the Wind' from an ecofeminist perspective", on 26 July, 2021, in the Invited Student Talk Series, organised as part of the World Environment Day 2021 observance, jointly under the aegis of the Department of English and Nature Club, Al Shifa College of Arts and Science, Kizhattoor, Perinthalmanna, Kerala.

Principal

Made for free with Certify'em

Megha Suresh of II PG English presented an online talk titled "A Peep into the After-Effects of War and Human Activities on the Environment: Gone with the Wind from an Eco-Feminist Perspective" in the Invited Student Talk Series, organised as part of the World Environment Day 2021 observance organised on 26th July, 2021, by Al-Shifa Arts and Science College, Perinthalmanna.

## Catch the Rain Campaign

The NSS Units (15 & 116) of Providence Women's College in collaboration with Nehru Yuva Kendra, Kozhikode conducted a webinar as part of the campaign 'Catch the rain when it falls' on 19th September, 6 pm via Google meet.

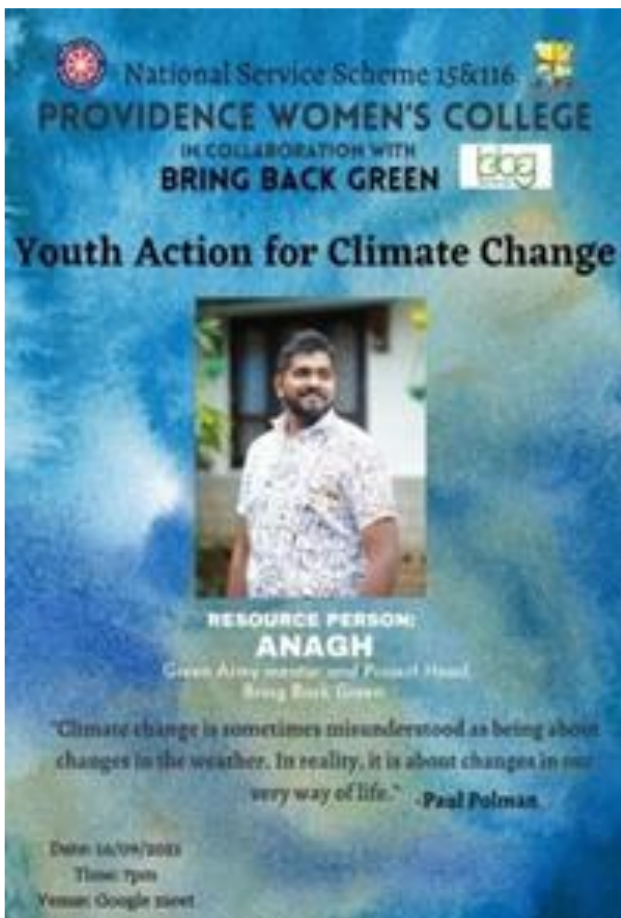
The program was inaugurated by Mr. Sachin Dev (MLA of Balussery) and the Presidential address was delivered by Mr. Sanoop .C (District Youth Coordinator, NYKS). The webinar was led by Mr. Sirajudheen, the renowned writer and teacher at Govt. Higher Secondary School Panoor, and also the winner of Mathrubhoomi Seed Best Teacher coordinator award.

<https://meet.google.com/hxu-emzh-mib>

<https://pledge.mygov.in/catch-the-rain/>



## Youth Action for Climate Change



A webinar was organized in alliance with BRING BACK GREEN - a collective of young people working as a NGO based at Thiruvananthapuram, on behalf of the observation of International Ozone Day on the topic "Youth Action for Climate Change' on 16th September, 2021 via Google meet.

The webinar was led by Mr. Anagh (Green Army Mentor and Project Head, Bring Back Green). He explained the climate change we experience and the reasons for the same. He suggested and encouraged to use alternatives for plastic materials such as electric scooters, cloth bags, cloth pads, etc. The session reminded that it is high time to change the routine plastic usage and adverse practices.

## Webinar - Bring Back Green



The NSS unit of the college organized a webinar on Amendment of Forest Conservation Act 1980 in Collaboration with The NGO - Bring Back Green 19th October, 2021. The Chief guest and Speaker of the day was Ms Alphonsa Jojan, Assistant Professor, Department of Law, University of Calicut. The programme was anchored by Jeevitha Jyoti Byju of the Department of Psychology. The students and staff of the various departments participated in the online session.

The session was highlighted by the active participation of all along with queries and discussions related to the legal movements in the environment protection programmes.

MEET LINK: <https://meet.google.com/cvh-dwjt-tpw>

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## 2. Reiterate commitment to cause - Pledges

Taking an oath/pledge forms the primary step to build a mental desire to undertake a particular task at its utmost perfection. The students and staff of Providence Women's College have been equipped with a thought of protecting our environment and promoting Green Earth concept for which pledges on certain days of importance have taken into account.

### Sustainability day pledge

As part of **Sustainability Day**, Green cove released a video to remind the human community the importance of caring for the environment, to reduce plastic use and to plant more trees to protect nature. Students of the Commerce Department also took a pledge on October 28th to ensure a plastic free environment. 52 students participated in the event.

### Undertaking the Energy Conservation Pledge

The students and teachers of the College undertook the pledge for the conservation of the non-renewable energy resources available. The programme was organized by the Department of Physics in according to the instructions of the Ministry of Environment, Forest and Climate change.

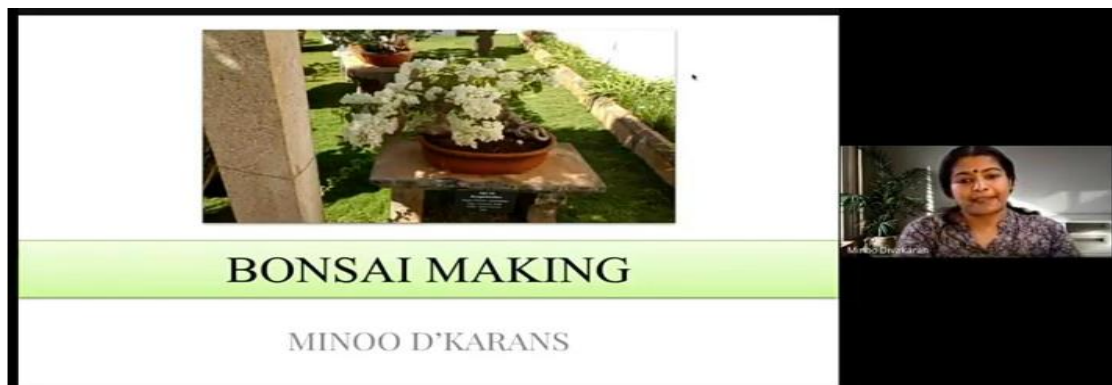


### 3. Training Programmes

In-house training programmes were arranged for our students to equip them well enough to think and act Green. The Department of Botany in association with the Nature Club of Providence Women's College organized a series of skill development programmes to enhance the practical knowledge and skills of the students.

#### **Bonsai Making – A Green Skill Initiative**

A class on bonsai making was organized for students of 3 BSc and 2 BSc Botany on 10th October 2021. Training on making different styles of bonsai, like upright, formal slanted, informal slanted, and cascade etc. were shown. The theory part was online, which was followed by online demonstration sessions. 20 selected students participated in the training programme.



#### **Mushroom cultivation**

A class on mushroom cultivation was arranged through google meet online platform on 11th October 2021 for 30 students II and III BSc Botany. Cultivation technique of oyster mushrooms were demonstrated. Economic importance and nutritional benefits of mushrooms, were dealt with in detail. Marketing strategies of mushrooms, preparation of value-added products from mushroom were also explained.









## Biofertilizer Technology

A training programme on the preparation of biofertilizers using eco-friendly stuff was arranged on 12<sup>th</sup> October 2021. Benefits of different types of biofertilizers, their preparation methods etc. were dealt in detail. The training was imparted for 20 selected students from 2<sup>nd</sup> year BSc Degree class.


### Concept of biofertilizer

#### Biofertilizers

The term biofertilizer refers to preparation containing live microbes which helps in enhancing the soil fertility either by fixing atmospheric nitrogen, solubilization of phosphorus or decomposing organic wastes or by augmenting plant growth by producing growth hormones with their biological activities.



Rhizobium Bacteria      Bacteria in root surface      Bacteria in root surface      Legume inoculation



## Practicing Organic Vegetable Farming

A class on was conducted on 14-10-2021 for PG students. Organic vegetable farming, the production system that relies on biological processes and natural materials to manage soil fertility and pest populations and to promote healthy crop growth. Detailed structure. Lessons on preparation of bed, use of organic fertilizers, use of organic pest control mechanisms etc. were dealt in detail.

### ORGANIC VEGETABLE GARDEN

- Synthetic chemicals are used to control insect-pests, diseases., affect physiological processes and conditions such as flowering, fruit setting, colour development and ripening.
- Use of chemical fertilizers especially nitrogenous fertilizers leads to degradation of the earth environment and outbreaks of aphid and other sap-sucking pests.
- Insecticides kill natural enemies of weeds; fungicides soil micro-organisms that control nematodes; and reduce earthworm population, lowering soil fertility and water infiltration rates.
- Organic farming excludes the use of synthetically compounded fertilizers, pesticides, growth regulators
- relies upon crop rotation, crop residues, animal manure, green manure, legumes, off farm organic waste, mechanical cultivation, mineral bearing rocks and aspects of



## Vermicomposting

An online training session on vermicomposting was arranged on 14th October 2021. Two methods of vermicomposting - vermicomposting in bin and vermicomposting in vermicompost pile were demonstrated. 30 students from 3rd year BSc Botany attended the class.

### Why composting?

Solid waste is the one of the biggest environmental challenges facing the world today due to increasing population and urbanisation.

Composting is a natural process of organic waste treatment which is currently practised with various modification to the technology

- about 70 % of municipal waste is normally organic
- recycling at source is most economic and environment friendly method of waste management
- compost is valuable resource for farmers
- composting at source keeps inorganic waste clean and makes it easier for recycling



## Plant Propagation Techniques

A training programme on plant propagation methods was organised on 15th October 2021. Conventional and other types of propagation methods including cuttings, budding, grafting, layering etc. were demonstrated. 42 students from II BSc Botany attended the training programme. The students might be able to perform what they learn in theory. This is the expected outcome of the programme.

### ORCHID PROPAGATION

2. **Back bulb propagation** is a method of producing a new plant from old previously flowered or unflowered back pseudobulbs which are usually leafless, plants grown this way may take 2 to 3 years or more to reach flowering size.



## Making Kokedamas



**KOKEDAMA making**  
Video from Minoo Divakaran  
[www.youtube.com](http://www.youtube.com)

An online training programme on 'Kokedama' making was conducted on 23-11-2021 for 94 students including B. Sc. and M. Sc. students of the Department of Botany. Students prepared their own Kokedamas using the technique demonstrated. The demonstration video was uploaded in the YouTube channel for further reference. The image shows the Kokedamas prepared by the students.

<https://youtu.be/XtWDj2zShYg>

11:05 AM



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## 4. Knowledge in to Action

The best part of green initiative programmes is to put the thoughts in to action. Visible changes occur when creative ideas are applied and implemented in to our ecosystem. Various activities were conducted by the Departments and Extension teams.



### **Digging for the future – Compost pit making**

The NSS volunteers prepared Dry leaf compost on 21<sup>st</sup> December, 2020 in their home premises. Dr. Vidya explained the process of making the dry leaf compost. All the volunteers got hands-on experience on creating their own compost pits within their home compound by means of YouTube video tutorials. Photographs and their experience were shared among themselves.

### **Organic Vegetables grown in our Campus**

As part of Covid 19 pandemic outbreak and lock down, college was closed for several months which resulted in the overgrowth of the crop plants and dominance of weeds in the vegetable garden. With the active participation of the NSS volunteers, 11<sup>th</sup> to 14<sup>th</sup> January, 2020 restoration of the same was carried out by proper weeding and replantation. The perishable crops were replaced by drought resistant crops like tapioca for an increased possibility of sustenance during the unpredictable conditions of the pandemic period.



## The Altruistic Approach



On the occasion of the World Environment Day, the NSS unit of the college offered a challenge named **#GIFTAFUTURE**. The event was meant to ensure the availability of tree saplings to kids as there were no other means like school or other gatherings during the pandemic situation. The participants posted the hash tagged photographs of gifting a tree sapling to their kids on Instagram.

Along with this, the volunteers also accepted the challenge of planting 10 saplings each which was initiated by the NSS District Co-ordinator.

<https://anchor.fm/kaathodukaathoram/episodes/--World-Environment-Day-e126t4q>

## The Puppet show - Message in Marionettes

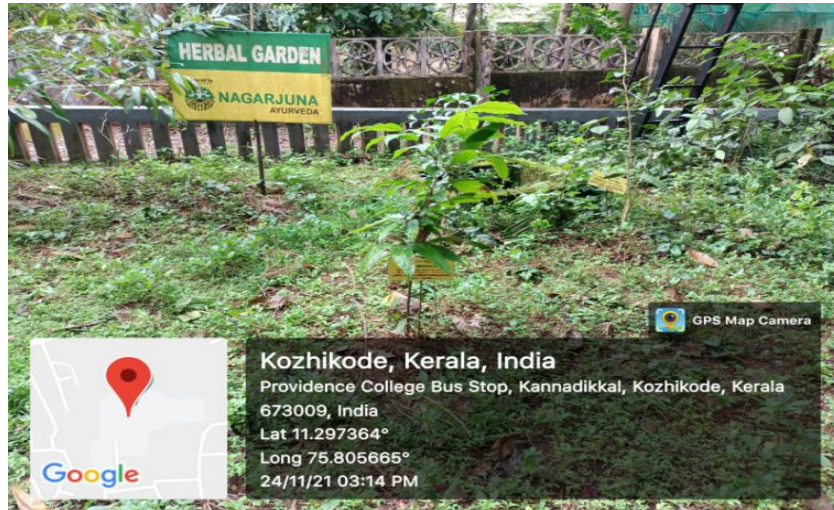
An elegant part of the World Environment Day observation was the puppet show designed by the NSS volunteers. Rifa made the beautiful puppets and did the videography for the same. Script writing and sound mixing was done by Jeevitha Jyothi of the Department of Psychology. The NSS volunteers Rinu, Rose Maria, Rushin, Sabeeha, and Sandra provided the vocals. The 5 min. video which explains the importance of protecting nature by planting trees, has been uploaded in both YouTube and Instagram page @nssprovidence.

[https://youtube/Dqm8\\_PQ4nnw](https://youtube/Dqm8_PQ4nnw)



## Maintenance of Herbal Garden

An herbal garden is maintained in the campus including 78 species of medicinal plants which include mostly herbs. A few shrubs and trees are also planted. As a special section, a home remedy corner is also maintained associated with the herbal garden. 15 PG students participated in the survey done on 7<sup>th</sup> June, 2021 for recording the species in the garden



## MERIKA – Skill Expo

MERIKA is a green campus initiative by the Department of Business Administration of Providence Women's College. The objective of this initiative is to promote the usage of cloth bags over polythene bags which is extremely hazardous to the environment. Our students Ms Maneesha K and Ms Rudha M P of II BBA were assigned to stitch and distribute these cloth bags and purses in our campus. The unused fabrics from shops were collected and hand stitched by our students to produce good quality reusable cloth bags. These products were available for sale at affordable prices at the college campus. It was a huge success as many students purchased these bags and switched to an environment friendly lifestyle. Moreover, the profit obtained from this initiative was used for charity programs organised by the BBA department for various contributions towards old age homes and schools.





## Clearing the E-Trash

The Department of Computer Science launched the E-Bin programme on 10<sup>th</sup> June, 2021 which enabled the appropriate disposal of the E-wastes from the campus as well as from the homes of the staff and students. The 1hour E-waste challenge was extremely successful where the wastes could be collected in a broad scale and handed over to the concerned authorities for its ecologically safe disposal.



## A Step for a hopeful future

The students of the Department of Computer Science brought up the seed pen concept. They learned to make pens using paper and a seed at its tip so that, after use even it is disposed carelessly, it would degrade as well as the seed would germinate to form a plant. 100 pens were made and distributed in the campus among the staff and students.



## **FLORA – The Biodiversity Register**

A campus Biodiversity Register was prepared, joining hands with Kerala State Biodiversity Board in 2009. The register is maintained and updated every year. According to 4<sup>th</sup> October, 2021, a total of 538 species of angiosperms belonging to 117 families, 6 species of gymnosperms belonging to 4 families, 11 species of pteridophytes under 4 families, 7 species of bryophytes under 3 families and 7 types of special collections including Dasapushpangal, Nalpamaram, Birthstar plants, Dasamoolangal, Thriphala, Trikatu, Sugandha triphala etc. were recorded during the year 2021. 15 PG students participated in the survey for recording the species on the campus.

## **Periodical Campus Cleaning**



The students of the College get in to the campus regularly do as to maintain the premises clean and beautiful. As a part of Green Campus Initiative, NSS volunteers and the students of Department of Psychology took part in the Clean Campus Campaign on 10<sup>th</sup> November, 2021.

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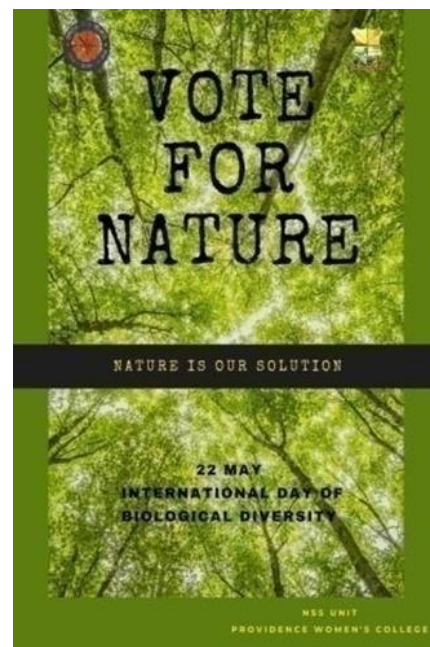


## 5. Activities on Virtual Mode

The Pandemic situation deliberated us to close all the offline activities for a while. During this, the thoughts were discussed and actions were showcased on the online platforms some of which are listed below:

### A Tribute to Sri. Sunderlal Bahuguna

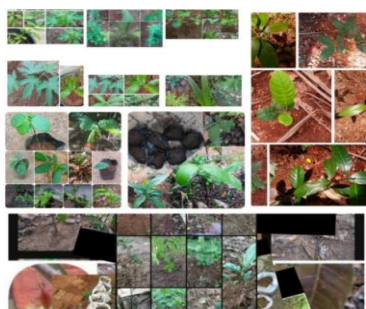
On 22<sup>nd</sup> May, 2021 the 10 leaders of the NSS unit of the college made a podcast based on the contributions of Sunderlal Bahuguna, the renowned Indian environmentalist. The leaders were divided into 3 groups – content creators, Podcast makers and the Editing team. The Audio was released officially in the Podcast channel – ‘**Kathod Kathoram**’. The link to the same is <https://anchor.fm/kaathodukaathoram/episodes/A-devotion-to-Sunderlal-Bahuguna-e11e12u>



PROVIDENCE WOMEN'S COLLEGE

### Meet My Tree!

A virtual meet of tree saplings on World Environmental Day



Let our tree saplings meet each other on June 5th from 9:00-9:30. Join us at [meet.google.com/ain-eumt-bjib](https://meet.google.com/ain-eumt-bjib)

### Meet my Tree

The NSS unit of the college organized “meet my tree campaign” via Google meet on 5<sup>th</sup> June, 2021.

As a part of World Environment Day observation, each volunteer planted a tree sapling (total of 100 saplings) at their houses and each of them showed their saplings to each other through a video conference.

### Awareness Video on Ozone layer protection

The students of the Department of English made an awareness video on the importance of preserving the environment and protecting the ozone layer, for a better future. The programme was on 16<sup>th</sup> September, 2021. The link of the video is <https://youtu.be/Wp9Dk1Ydevw>

## Conservation of Mother Nature

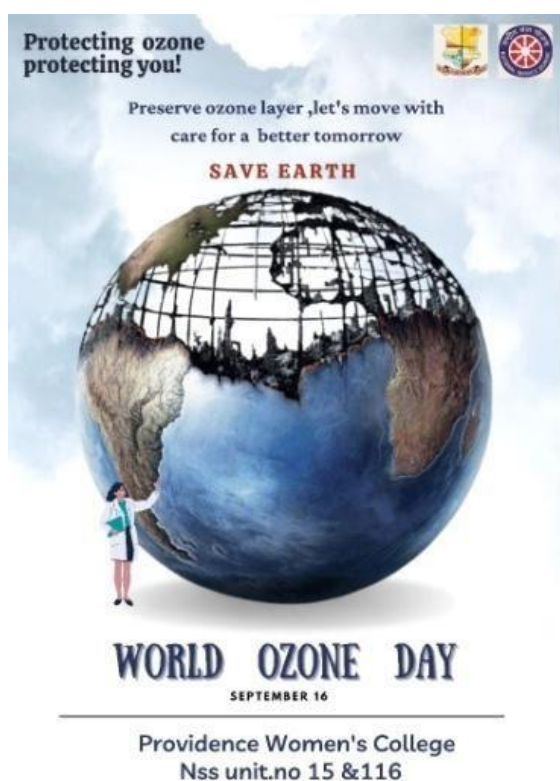
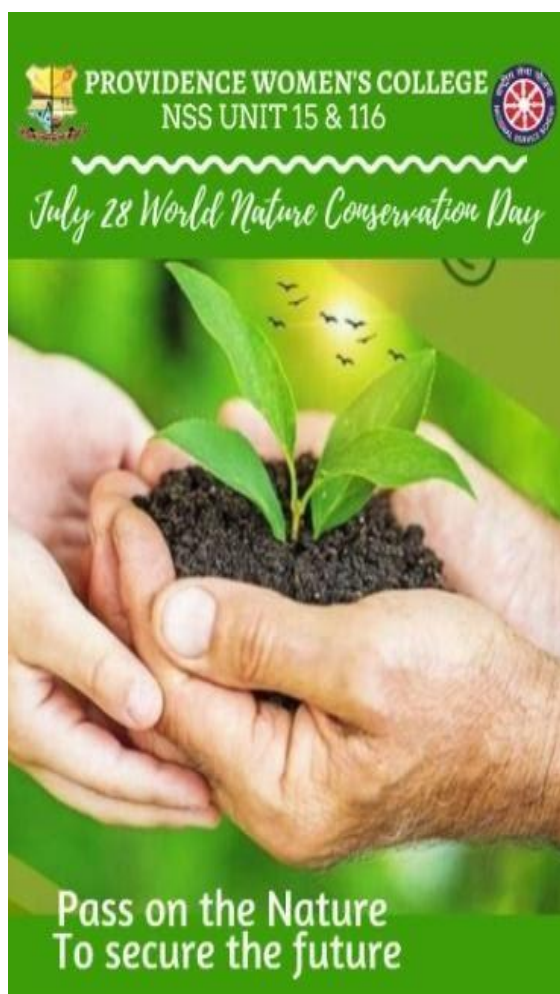
An animated video was released by the NSS volunteers of the college as a part of observing World Nature Conservation Day on 28<sup>th</sup> July, 2020. The session was conducted online wherein the programme officers presided over the gathering. The video explains the importance of conserving nature and our role in fulfilling the same. The presentation was done by Arya K. and team and later the video was uploaded in the NSS YouTube channel – Sevanaparwana PWC NSS.

<https://anchor.fm/kaathodukaathoram/episodes/World-Nature-Conservation-Day-e15465e>

<https://youtu.be/dQ87GCF5zEg>

Instagram link:

[https://www.instagram.com/tv/CR3vlowgR3r/?utm\\_medium=share\\_sheet](https://www.instagram.com/tv/CR3vlowgR3r/?utm_medium=share_sheet)



## Podcast on Ozone Day observation

As a part of the observation of International Ozone Day of this year, Vidyalakshmi T. of the Department of Zoology presented a podcast on 16<sup>th</sup> September, 2021.

The link for the same is:

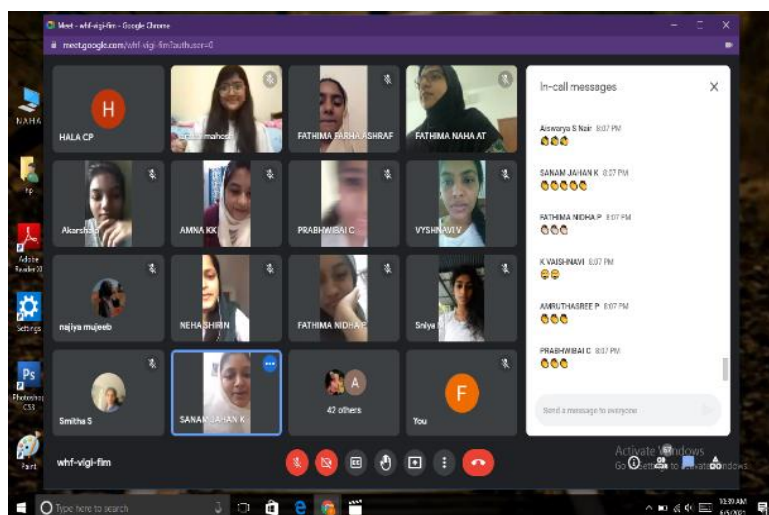
<https://anchor.fm/kaathodukaathoram/episodes/World-Ozone-Day-e17e7kc>

## 6. Contests based Responsiveness

Though On-campus events were merely possible during the pandemic situation, the contests for the students of the college along with other colleges at an inter-collegiate level could be conducted on online mode. The contests enable the young minds to reiterate the importance of observing each day of relevance and reminds them to protect the mother nature for a better future.

### Quiz Environ

The Department of Travel and Tourism Management conducted a department wise quiz competition in connection with the World Environment Day on 5<sup>th</sup> June, 2020. 67 Students from various departments of the college participated in the program where, Fathima Naha was awarded with the first prize.



### Green Earth-Clean Earth

On behalf of World Environment Day-2021 Department of Travel and Tourism Management observed "Green Earth-Clean Earth" program on 5<sup>th</sup> June, 2021. Quiz Competition, a Jumbled Word program and This/That program were the competitions conducted. Videos of the drawings done by the students was presented along with the videos showing the growth of green gram and collage on World Environment Day, which were also prepared by the students. Speech on the use of Plastic by the students was the highlight. The program was conducted to give awareness to everyone about our mother Earth and how to protect, maintain and sustain her for the future generations.





## Home Garden Contest

An online garden contest was arranged for students of Providence Women's College on 5<sup>th</sup> June 2021 in connection with world environment day 2021. Students were encouraged to make homestead gardens and were asked to submit videos of the home garden for judgement.

A total of 15 entries were received. Sadiya (2 sem Computer Science) on the first prize. Alka VJ (5th sem Psychology) and Fathima Thahaniya P (2 sem Psychology) bagged 2<sup>nd</sup> and 3<sup>rd</sup> prizes, respectively.

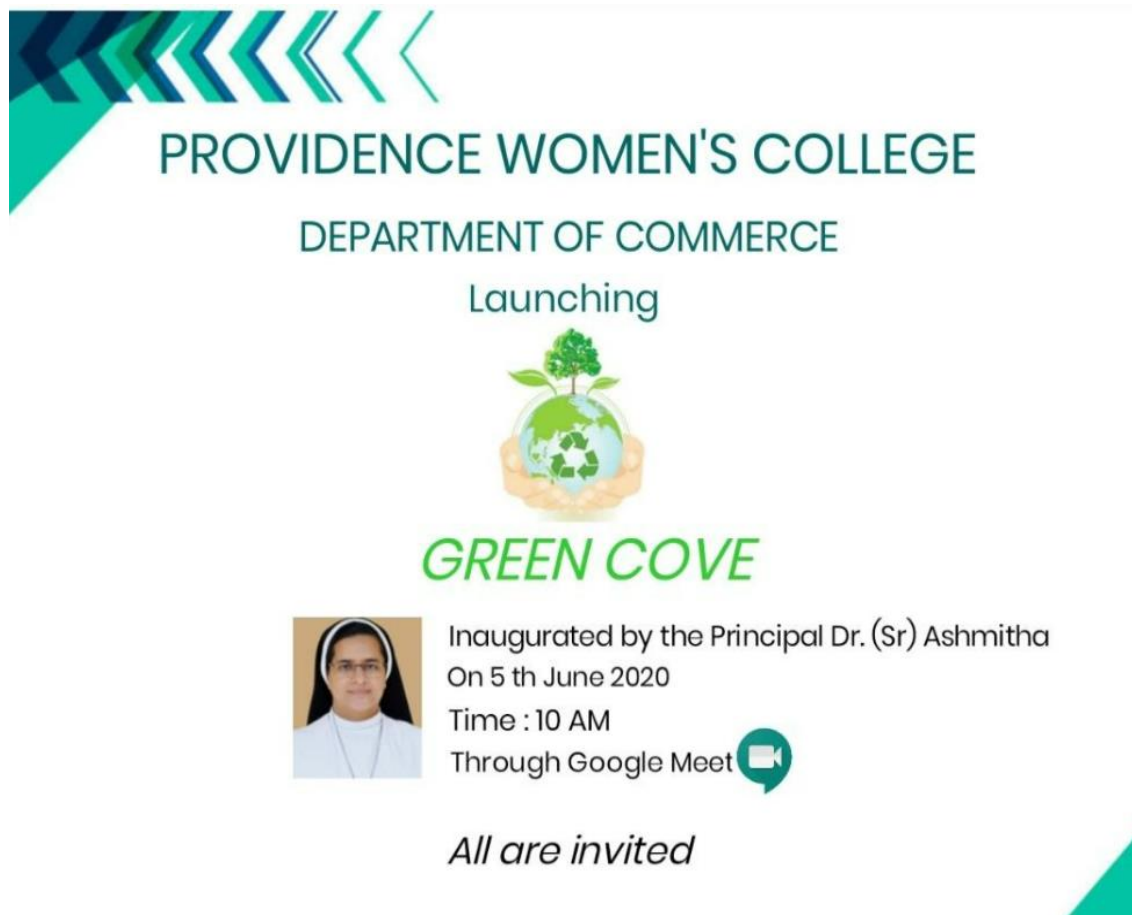
## Inter-Collegiate Quiz on Ozone

On behalf of observing International Ozone layer, the NSS unit of the College conducted an Inter-collegiate online Quiz competition to create awareness and to conscientize students about the need to protect the Ozone layer of the Earth's atmosphere. The registration was done through Google doc form on 16. 9. 2021. Nearly 300 students from more than 20 colleges got registered for the event. 160 students including 40 male participants attended the Quiz. E-certificates were issued to the students who secured a score of 80% and above.

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## 7. The Green Cove Club

As a part of World Environment Day observation, the Department of Commerce launched a new club “**Green Cove**” with an aim to raise awareness among the students regarding the inevitability of ensuring a healthy and clean environment. Various activities were conducted under the club throughout the year.



### Green Initiatives under Green Cove Club

- 11<sup>TH</sup> July - Green cove organized an inter-collegiate Digital poster making competition as part of *World Population Day*. Total of 7 Posters were received from various colleges. The winner of the competition is Ms. Revathi. E of St. Xavier's college of arts and science and was awarded with 1 month recharge coupon as a token of appreciation along with an E-certificate.
- As part of World Population Day, students launched a video in the department YouTube channel “**Maanda**”: When things have things to say, under the Green Commerce Club.
- 29<sup>TH</sup> July – The Club Organized a **Face painting competition** as part of *International Tiger Day* and the Winner of the Competition was Ms. Nakshatra Subhash, 2nd year psychology,

Providence Women's College. E-certificate and a cash prize of Rs. 500 was awarded to the winner

- 20<sup>TH</sup> August - Green commerce club organized a “**National Level Online Quiz Competition**” on 20th August as part of **Indian Akshay Urja Day**. The topic of the Quiz competition is Renewable Energy Sources. Total of 86 participants registered from different states of India. After online registration the participants were added to a WhatsApp group and instructions regarding quiz were provided in the group. Out of 86 participants, 54 of them attended the quiz and those who qualified 60% and above marks were given E-certificates
- 20<sup>TH</sup> August - As part of **World Mosquito Day**, the club launched an informative video which puts an insight into the contributions of Dr. Ronald Ross to the scientific world on transmission of Malaria. The video includes the precautions to be taken to prevent mosquito bites and the various symptoms of diseases spread by mosquitoes.
- 28<sup>TH</sup> September - As a part of **Green Consumer Day**, Green commerce club organized an **Online pencil drawing competition** on the topic "Consumerism and its impact on the environment". The winner of the competition was Ms. Anamika P of Karunya Institute of Technology and Science, Coimbatore and the winner were duly facilitated with e - certificate.
- 24<sup>TH</sup> to 28<sup>TH</sup> March - One-week online craft making workshop was arranged under **Green cove** for children between the age 10-15 and for College students. The title of workshop was “**Online craft making using waste material**”. The Resource persons were Melissa Olivia Cruz (Alumnae), Ananya G.K. and Rahiba of II M. Com. A workshop was arranged on 24<sup>th</sup> and 25<sup>th</sup> for children, recorded videos were posted in WhatsApp group, which was later uploaded in the YouTube channel ‘calypso’. There were 5 participants between the age 10-15 and all were provided E-certificate after completion of workshop. From 26<sup>th</sup> to 28<sup>th</sup> March, online craft making classes were arranged for college students and 7 participants were awarded with E-certificate after completion.