LOYOLA COLLEGE OF SOCIAL SCIENCES

THIRUVANANTHAPURAM



CRITERIA 7: Institutional Values and Best Practices

7.1.5- Green Campus Initiatives

7.1.5-3: Sustainability Consciousness/Green Initiatives

2016-21

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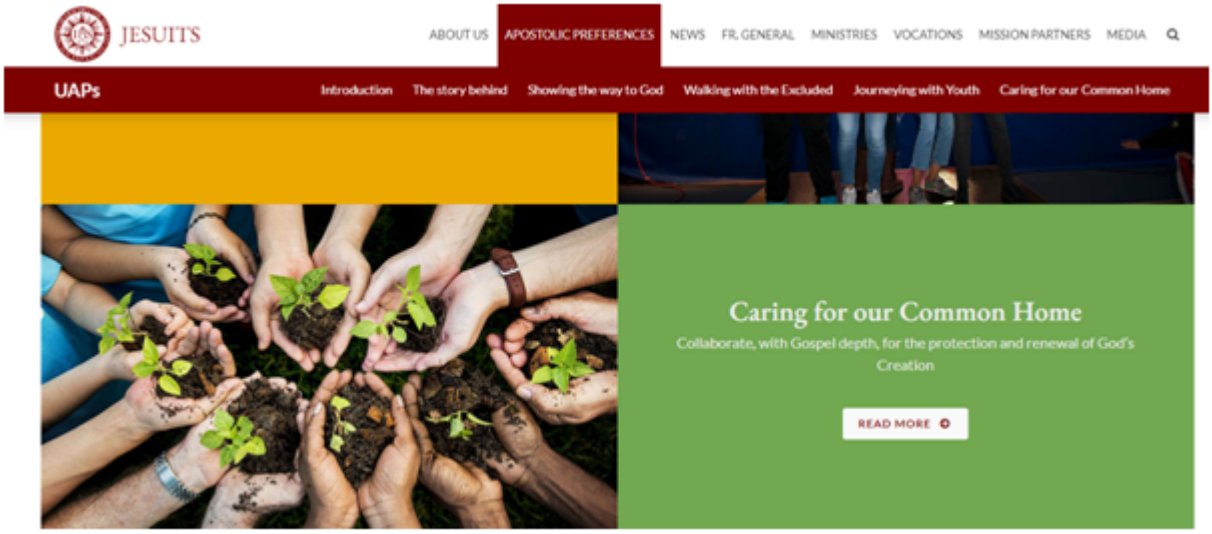
1. Sustainability Consciousness

INTRODUCTION

"Action is needed urgently by all people of good will. Whole nations and peoples need an ecological conversion if we are to be honest custodians of this wonderful planet. We can still change the course of history."

Jesuit Apostolic Preferences 2019

From the inception of our college, Loyola has given immense thrust to the environment. One of the Jesuit Apostolic Preferences 2019 is "Caring for our common homes".



In accordance with the Jesuit Apostolic Preferences of 2019, we have redefined our Mission Statement to include "***sustainable social transformation***". The **Mission Statement** of Loyola College reads thus: "Engaged knowledge building for grooming positive, innovative, and value oriented thought leaders capable of driving **sustainable** social transformation". Our Value statement includes: "Responsible citizenship behaviour (**Service** and ***Sustainability***)".

Accordingly, we have added **"*Sustainability Consciousness*"** as one of our Programme Outcomes (PO), as well as key competency areas. "Environment Consciousness Behavioural" Assessment happens in our Entry Level Assessments (EAT) as well as our PO Assessments. Hence all Green Initiatives in the college are conducted under the PO of "Sustainability Consciousness". In Loyola there is a separate team headed by a Head of the Department to coordinate green Initiative activities or activities related to Sustainability Consciousness. **The green initiatives under the Sustainability Consciousness head are the following:**

1. Environment Policy
2. Institutionalized environmental practices like plastic-free campus.
3. Waste Management steps (solid, liquid and e-waste)
4. Various Audits (Bio-diversity, Energy, Water, Carbon etc.)
5. Lectures on Environment and Sustainability
6. Environment Management and Bio-diversity Programme
7. Visits to Energy Management Centre, Sreekariyam, Trivandrum.
8. National and international Commemorative days related to environment.
9. Sapling planting programmes

2. ENVIRONMENT MANAGEMENT AND BIODIVERSITY PROGRAMMES

A permanent feature of Loyola College is its initiative and participation in maintaining the eco-friendly nature of the campus. It became a usual sight in the college that every Wednesdays the students as well as the staff members are together working to maintain the greenery. The entire NSS volunteers are grouped into four for this purpose and a voluntary leader and two staff guides were given to each group. The NSS Programme Officer will be the overall coordinator of the programme and he/ she is assisted by the student coordinator. Every week the groups take the turn to clean up the campus and when the work is over after hour refreshments were provided to all the participants.





















3. Sustainable Living Initiative

Sustainability and healthy living is a hot topic of discussion today. With this fast moving pattern of life people fail to find time to be with nature and return something to it. This is something that cannot be developed in a day. It is something that has to be practiced. This realization about the importance of nature in the personal and public life of human beings has resulted in a new initiative of sustainable living.

The basic motive of this initiative was to generate awareness about sustainable living among volunteers and teachers in the campus through various activities.



Environment management has been the tradition of Loyola. This year's environment management started with Environment day celebration. Volunteers as part of its Sustainable Living Initiative started environment management programme under the Sustainable Living Initiative of the college. Under this programme the students gathered in a selected spot on every Wednesday evening and cleaned the specified area. The programme was inaugurated as part of the environment day celebrations on June 5th 2016 by Dr. Jose Boban K. The students of the department took active part in the programme because it was in way contributing something back to the campus as well as to nature.

As part of the Sustainable living Initiative a group of volunteers came forward to start organic farming in the campus under the leadership of Akhil Surendran of 2nd MA Sociology. The students cleared the area behind the library and planted seeds of various vegetables in the month of June 2016. Seeds of vegetables like spinach, pea, tapioca, bitter guard, ladies finger, chilly etc. were planted. Every day after class volunteers would come to take care of the organic farm with keen interest and would volunteer watering and plucking the weeds. It was a great experience to see the seeds sprouting and growing into a plant. The first harvest of the fruits of this great team effort was done in the month of October starting with spinach. Then it was followed by ladies finger, pea, chili, cucumber etc. Dr Jose Boban, Principal of the college inaugurated the villaveduppu by gifting spinaches to Dr Sabu SJ. The vegetables from the farm were sold out in the campus. Both teachers and students buy the products as an encouragement to the team.

This initiative of organic farming helped in generating awareness and an interest about organic living among students. Many students got inspired by the efforts and said that they have started the same in their homes too. It was indeed a very happy and vibrant group experience for the students who took part. Moreover through this act of group farming the volunteers could communicate a strong message of eco-friendly and sustainable living to the entire campus, as well as to those who visit us.



4. Haritha Keralam- 2016

The most ambitious program Haritha Keralam was launched by Kerala Government on 8th December 2016. In literal, the scheme Haritha keralam is one of the essential programs to be implemented in all the state governments of the India in order to retain the strength of their natural resources. The project Haritha Keralam is the massive mission and under this project the wastage of the state is set to clear or removed completely and to ensure the natural recourses like water bodies not be polluted because of mixing the solid waste and water wastages in rivers and so. In this scenario, NSS unit of Loyola College organize a short session to disseminate the ideas of Haritha Keralam Mission. An oath was taken by the students under the guidance of Dr. Jose Boban, Principal of Loyola College of Social Sciences.







5. Mazhakuzhi

On 5th July 2017, Department of Human Resource Management in association with NSS, introduced rainwater pits, as part of environment management and biodiversity inspiring from the Green HR concepts. The project was inaugurated by Dr Saji P Jacob, Principal. The project got wide attention as it gives awareness about the protection of nature. Caring and understanding nature is very important as an individual and is of growing importance in regard with HR green interventions. So, LAMPS, student association of Department of Human Resource Management always given prior importance to this and the rain pits created by the students was also in that account.





6. KERALA Piravi 2018- Environment Management Activity



On Nov 1 2018, Kerala Piravi Day, NSS unit of Loyola College of Social Sciences organized environment management activity. Students actively engaged for the cleaning the campus.



7. Visits to Energy Management Centre

Energy Management Centre is an autonomous organization under the Department of Power, Government of Kerala. It is Located at Sreekaryam, Trivandrum. As part of green initiatives under the Sustainability Consciousness, Loyola makes it as a practice to visit the centre. On 11th February 2021, students from five departments; Sociology, MSW, Msc Counselling Psychology, MAHRM and MSW Disaster Management visited the centre for a one day session on Energy Management. Programme began at 10.00 am. Mr. Dinesh Kumar, Joint Director of Energy Management Centre delivered the inaugural speech.



First session was on '**Energy conservation in domestic appliances**', presented by Shri. Anoop Surendran, ET-B EMC. He gave an elaborated class on star labeling, different methods of energy conservation, relation of climate change and energy conservation, KSEB Tariff system and so on. He also took his time to clear the doubts of students and other faculty members who were presented there.



Next session began around 12.00 PM. It was on 'Power Tariff Standard and Labeling' and session was moderated by Shri. Johnson Daniel, conservation and DSM, EMC. The speaker covered star labeling, electricity bill, filament free Kerala programme energy conservation act and also the role of energy conservation in climate change. He gave a good awareness on the importance of energy management at home and gave tips to practice the same like the importance of switching to led lamps and BLDC fans.



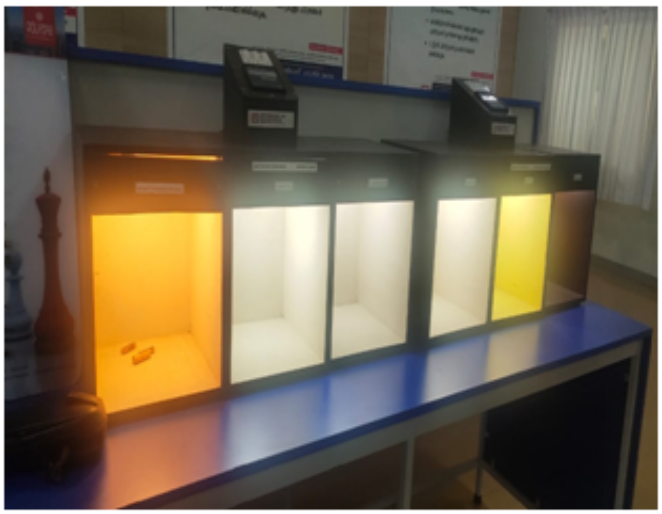
After the session the team was dispersed for lunch. The lunch break was from 1:15 pm to 2 pm.

Third session began at 2.00 pm. The topic was 'Energy *conservation in building sector'* and was presented by Shri. Tomson Sebastian, ET – B, EMC. Buildings are for thermal comfort. He gave different methods to construct building in comfort manner such as use of air bricks. He also explained different methods for conservation of energy in buildings such as use of sensors, reduced use of light and fan during day time, use of energy efficient appliances, proper use of naturally available energy sources such as solar energy etc. He also explained the construction of buildings in relation with poles.



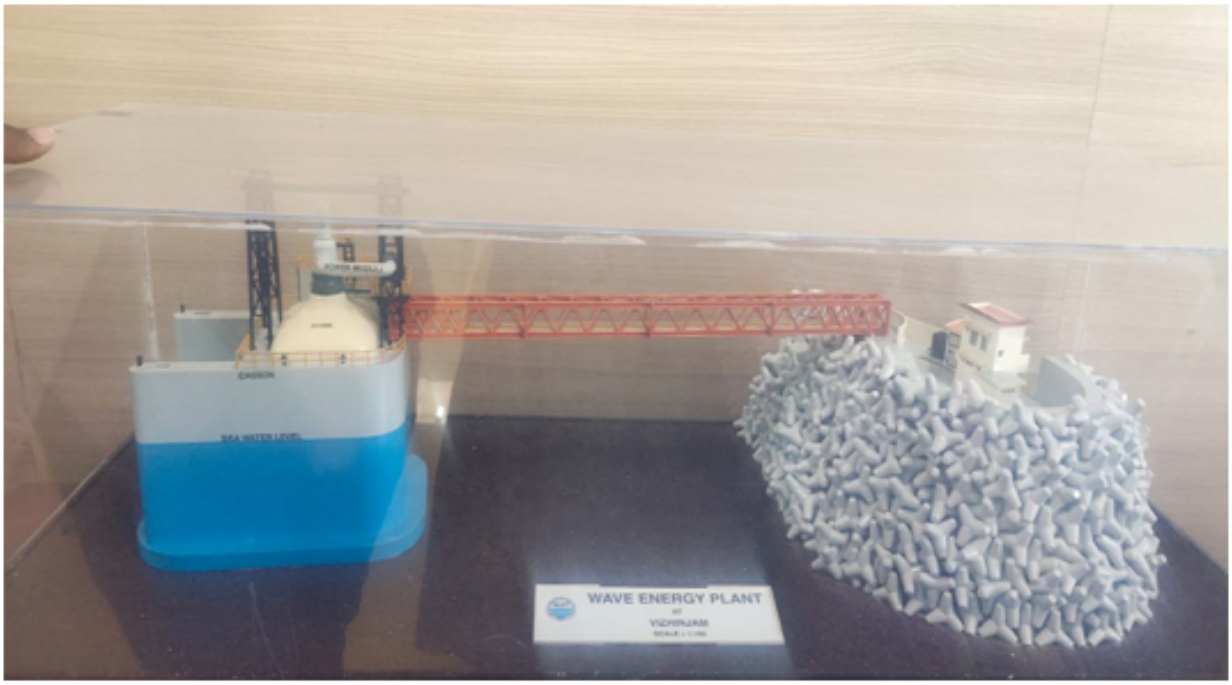
The last session was handled by a professional architect Shri. Yogesh Karnapooshanam, Kerala State Energy Conservation Building Code (KSECBC). He gave a short introduction on green building and took the team to visit the building of EMC. EMC is constructed as a green building. During its construction its natural terrain was not disturbed. Also, in day time use of lights and fans are less. Its construction is in such a way that they don't require lights and fans during day time. There is proper ventilation. There are also methods to collect rainwater. Different sections of EMC are constructed according to their comfort. For example, library is positioned where there is plenty of day light and breeze. Also floor of the library is done with dark colored tiles in order to avoid discomfort to eyes. Bins of different colors are used for proper waste collection. He took to terrace which is made up of cement and fly ash. Photo- voltaic Solar panels and solar water heaters were present.

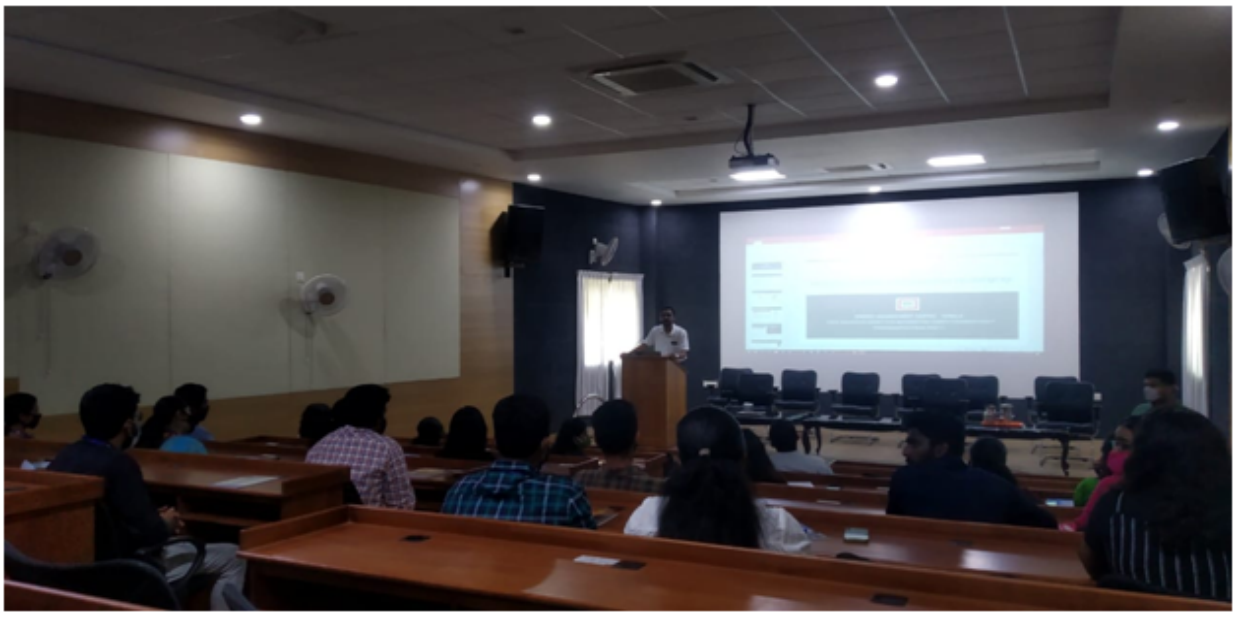




They also demonstrated some working models such as: Idukki arch dam, some still models like Vizhinjam wind energy plant, smart city, Backward Bent Ducted Buoy, Low temperature thermal desalination plant at Kavaratti. They have also exhibited different types of tubes and bulbs right from the incandescent bulbs to the modern led tubes, different types of cable wires etc.

All the sessions were very informative and students could clear their doubts regarding Energy conservation.





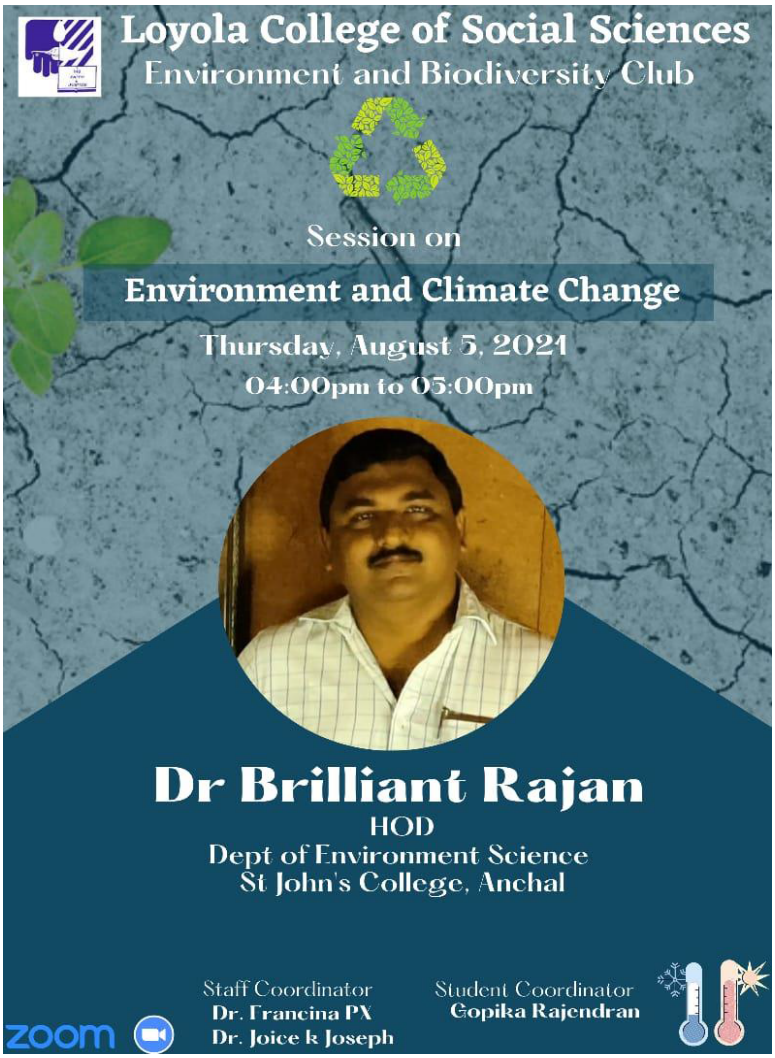
8. Bio-Diversity Day Observation

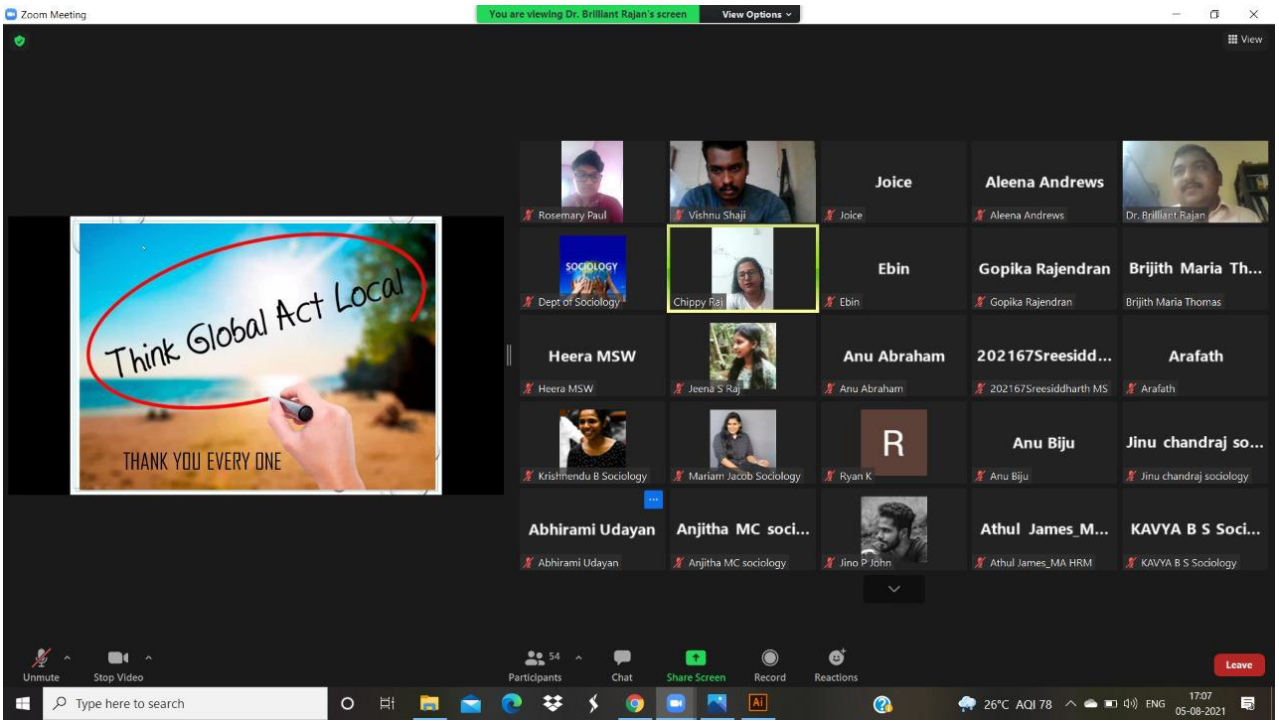
Bio-diversity Day observation			
Programme Name	**Session on Environment & Climate Change**	**Organizer**	**Environment and Biodiversity Club** of **Loyola College of Social Sciences** in collaboration with **NSS Unit (KL 07-011)**
Date	05/07/2021	**Time**	4:00 p.m. to 5:15 p.m.
Venue	Zoom : https://us02web.zoom.us/j/9786755491?pwd=aFNlRGErSUNQQnhzNUd2OTlaYUZSUT09	**Faculty in-charge**	Dr. Francina PX , Dr. Joice K. Joseph

Programme Objectives	To make students aware of the significance of Biodiversity and the current threats faced by Biodiversity; To make aware of the need of Biodiversity Conservation and urge the students and others to rise up to protect and safeguard the biodiversity from the threats.
Resource Person (s)	Dr. Brilliant Rajan (Head of Department-Dept. of Environmental Science- St.John's College Anchal, Kollam)
Participants	Students and Faculties of Loyola College of Social Sciences, Thiruvananthapuram
Programme Activities	The programme activities were carried out in the following order : 1. Prayer song- by Aparna Raj (1st Year MSW) 2. Welcome Address- by Rose Mary (1st Year MSW) 3. Inaugural Address by the Principal Dr. Saji P. Jacob 4. Talk on 'Environment and Climate Change ' by Dr. Brilliant Rajan 5. Q & A Session

	6. Vote of Thanks – by Vishnu Shaji (1st Year MA HRM)
Programme Outcomes	Students were able to understand the important components of Biodiversity. Have inculcated a deeper knowledge on the loss of Bio – diversity, its causes and consequences, especially the species that have got endangered and extinct by man' s activities. A general understanding of Biodiversity conservation, its main objectives and the various Bio-diversity conservation methods. Learnt about Climate Change and its various impacts.
Supporting documents	Photos flyer, PPT, videos, attendance list

Supporting Documents




Zoom Meeting
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THANK YOU EVERY ONE
Rosemary Paul
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Dept of Sociology
Chippy Raj
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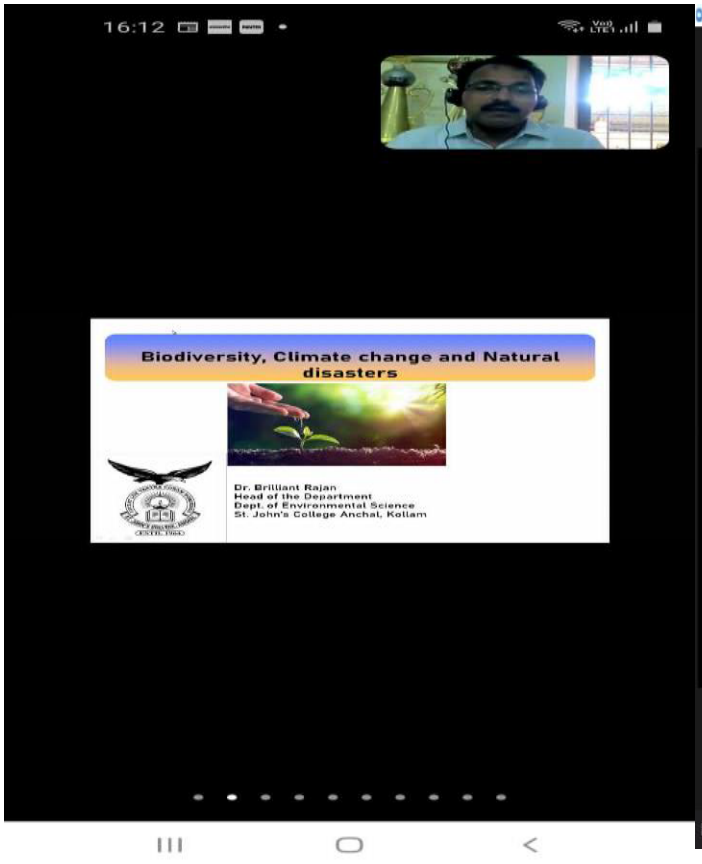
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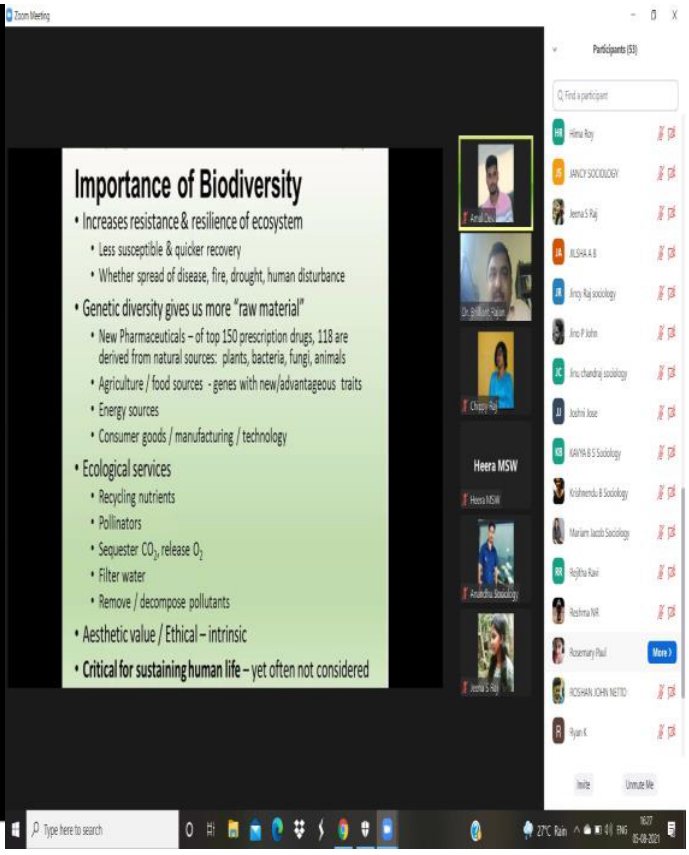
Biodiversity, Climate change and Natural disasters
Dr. Brilliant Rajan
Head of the Department
Dept. of Environmental Science
St. John's College Anchal, Kollam


Importance of Biodiversity
• Increases resistance & resilience of ecosystem
• Less susceptible & quicker recovery
• Whether spread of disease, fire, drought, human disturbance
• Genetic diversity gives us more "raw material"
• New Pharmaceuticals – of top 150 prescription drugs, 118 are derived from natural sources: plants, bacteria, fungi, animals
• Agriculture / food sources - genes with new/advantageous traits
• Energy sources
• Consumer goods / manufacturing / technology
• Ecological services
• Recycling nutrients
• Pollinators
• Sequester CO_2, release O_2
• Filter water
• Remove / decompose pollutants
• Aesthetic value / Ethical – intrinsic
• Critical for sustaining human life – yet often not considered
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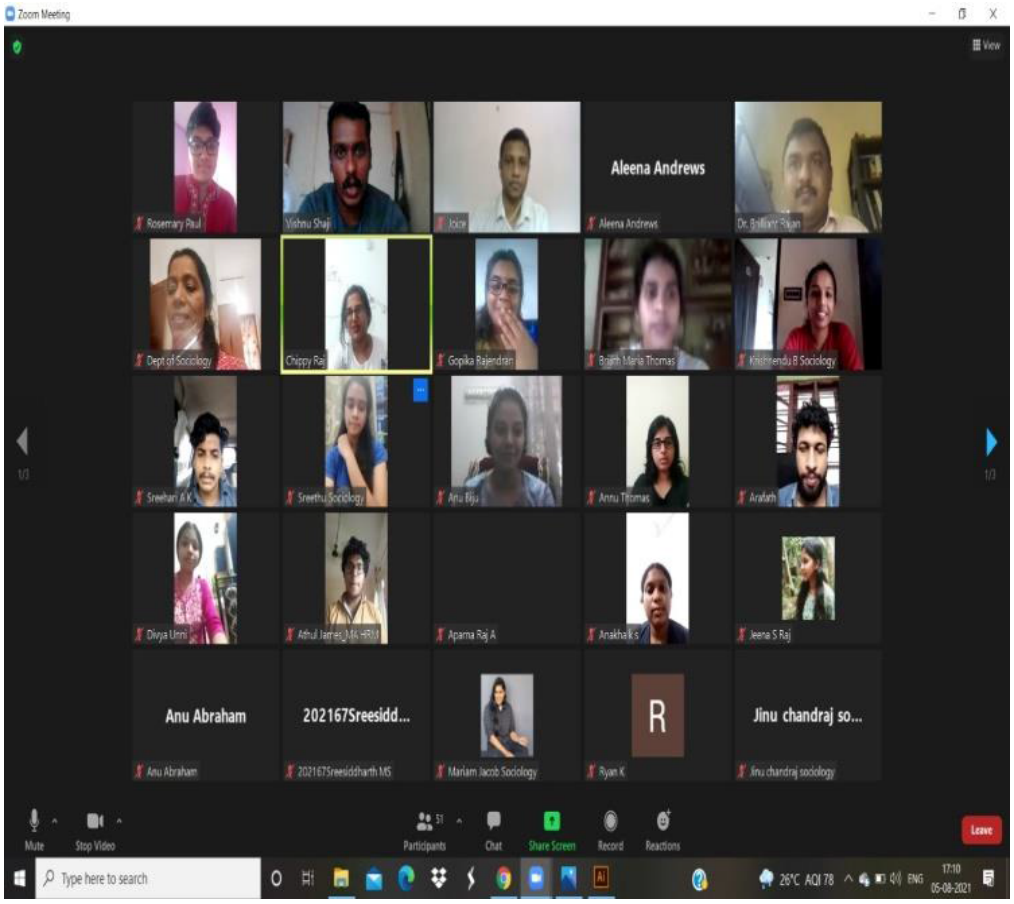

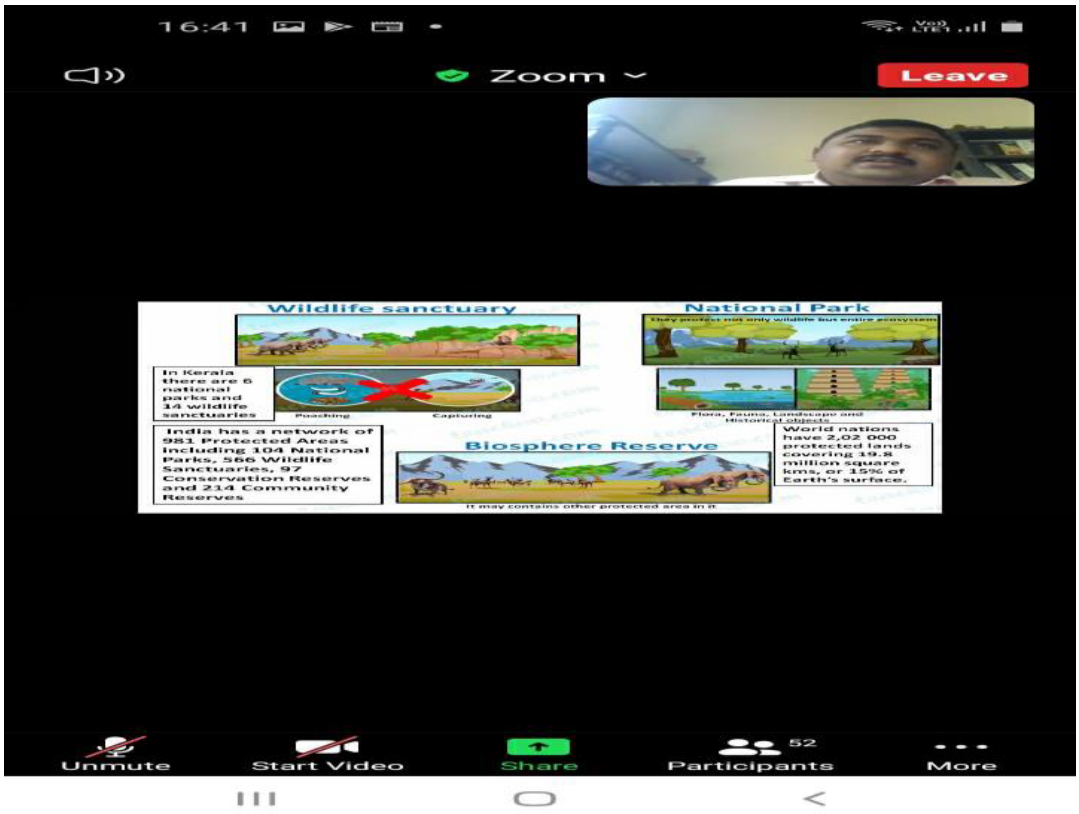

Francina

Dr. Francina P. X

Programme Officer - NSS

Dept. of Social Work, LCSS

9. PUBLIC AWARENESS CAMP

(ISDG) *Date: 22nd January 2019*

The Institute for Sustainable Development and Governance (ISDG) organized “Sustainable Development Goals (SDGs) Public Awareness Campaign” for youth in selected colleges in Kerala from 22nd January to 28th January 2019. The flag off ceremony was from Loyola College of Social Sciences. The introduction speech was given by the Director of ISDG Dr. Abraham George after which the inauguration and flag off ceremony was done by the Principal Dr. Saji P.Jacob. To involve the students there was a magic show on SDGs by Mr. Indra Ajith (Magician).



10. Awareness Program on Green Protocol

NSS volunteers of Loyola College of social science had visited the community, stationary shops in and around Sreekariyam in order to provide an awareness regarding green protocol and harmful effect of plastic on environment. As the part of the program the NSS volunteers had decided to visit the shops on Loyola road and Sreekariyam junction and also the community in Sreekariyam.





11. Bio-Diversity P**arks**

Bio-diversity activities are carried out through parks. The volunteers who have completed one year are made responsible for the activities in the park. We have four parks namely Daya park, Violet Bouquet, Thanal Park and Fruit valley. Diverse flora and fauna are maintained through this programme.

12. Wildlife Week Celebrations

As part of the Sustainable Living Initiative NSS Loyola unit celebrated the Wildlife week.

As part of it a **poster designing competition** was announced on the theme **Man vs. Wildlife**. A formal session was organized by the unit on 5th October 2016 in the Sutter hall at 2.30 pm. Mr. Manoj Balakrishnan, Senior Wildlife Assistant was the guest of the day. He was accompanied by S. Radhakrishan who is a senior wildlife assistant in the Forest Department. The programme started at 2.30pm with all the students and faculty of the college gathering at the Sutter Hall. The session started with a prayer followed by a welcome address by Priya .R. Kumar. Then the guest was invited for his speech. Mr. Manoj started his speech by explaining the word wildlife. The term wildlife includes all plants and animals that are not domesticated. He then explained the current status of wildlife and biodiversity distribution in Kerala. He pointed out that with the increasing modernization of the Kerala society combined with the rapid increase in population has caused huge damage for both ecology and wildlife in the state which has unique biodiversity hot spots. He used a power point presentation and showed the pictures of many unique animals and plants that are part of the biodiversity of the state.

The lecture then moved to **the idea of conservation**. Mr. Manoj pointed out that conservation is not destroying anything but on the other hand limiting the number to the carrying capacity to maintain the ecosystem is also part of the idea of conservation. He then pointed out the major causes for biodiversity loss. Mono cultural plantations, construction of dams, commercialization of forest product collection, mining, overconsumption and tourism were cited as the reasons for biodiversity loss. He showed and old photograph of Sabarimala and a recent one to show the changes that happened in and around the place to facilitate devotees. The pictures clearly indicated a huge loss of forest in and around the region.

Towards the end, Mr. Manoj **criticized our indifferent attitude** even in the 11th hour. Every individual has a basic responsibility of conserving the biodiversity around him/her. He requested the gathering to plant more trees and to have a human touch. What is needed is a peaceful coexistence which is only possible with a contribution from the part of each and every unit in this ecosystem, especially human beings.

Then the floor was opened up for discussion. Students too, raised their concerns and even raised questions on street dogs and on the welfare of tribals. There after the winners of the poster designing competition was announced. Aravind of 1st MA Sociology won the first prize and Athul Wilson of 2nd MAHRM won the second prize. The certificates to the winners were distributed by the chief guest. Then the chief guest Mr. Manoj was presented with a memento as a token of our love by Dr, Jose Boban, Principal of the college. The programme ended by 4.30pm with a vote of thanks by Ms. Shine Michealina Jose. The session was a reminder for many of the students about the damage done to the environment. It helped in making the students aware about the importance of biodiversity and the damage done to wildlife in this fast moving society.

13. SHRAMDAAN

2019-20

As part of Gandhi Jayanthi celebrations Shramadhan was organized at Jana Maithri Police Station Sreekariyam followed by shramadhan at college campus. The program was inaugurated at the police station in the presence of the station officer, Loyola collage Principal Dr Saji P Jacob, Vice Principal Dr. Sabu P. Thomas, and ward Counsellor Mr Anil. For this program NSS volunteers were categorized into 5 groups and certain volunteers in the group were selected as the group leaders in order to control and as well as to coordinate the group activities. The group consist of 40 volunteers and cleaned up the police station together with the police officers of Sreekaryam police station, the volunteers had managed make the place plastic free and made certain arrangements in backyard of the station with foreseeing the evil impact of plastic. After the cleaning the police station, they had tea at the police station. NSS volunteers had reached back to the college campus certain groups were already started cleaning the campus and rest of the students joined with them for cleaning. The volunteers also cleaned the bus stop which is near to collage. After cleaning the college campus NSS volunteers were given refreshment.





2018-19

The NSS unit celebrated Gandhi Jayanthi by organizing a Shramadhan in and around the college campus. Principal and vice- principal and NSS programme officer addressed the students. Cleaning of the campus was done in a meticulous way.





2017-18

The NSS team of the Loyola College, Sreekariyam decided to do their shramadan on September 24th in the Sreekaryam Police station under the leadership of Dr Anitha.S

On September 24th by 2.30 PM the NSS volunteers had a meeting on the shramadan with Dr Anitha.S IN the Loyola research centre, followed by a visit to the organization with the objective of illustrating the volunteers the spots to be worked on and to plan out on the resources required for the activity. The volunteers took equipments like the baskets, brooms, and pickaxes etc. They were in high spirits to start off. The Loyola NSS volunteers met the Station House Officer, Mr. Sanoj.S who was very delighted to see the team there and he appreciated the team for the initiative they took up for the same. The other civil police Officers took the team around the station and that gave them a glimpse of the effort they had to put in for the day.

The shramadan was inaugurated by Sri. Alathara Anil Ward Councilor. College Principal and Station House Officer gave felicitation for the event. The volunteers spread themselves into the different parts where they had to work and the civil police officers also joined for the shramadan. The entire faculty from all the departments was also present. The volunteers worked until 4.30PM and covered up maximum areas possible within the limited time. They were all greatly contented as they gave in their 100%. Right after that the volunteers were given soft drinks and snacks from the college.




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