

**LOYOLA COLLEGE OF SOCIAL SCIENCES  
THIRUVANANTHAPURAM**



**CRITERIA 7: Institutional Values and Best Practices**

**7.1.3- WASTE MANAGEMENT**

**7.1.3-1 OTHER WASTE MANAGEMENT INITIATIVES**

**2016-21**

**Waste Management Related Awareness**

**Waste Management Rules**

**Waste Management Related Physical Activities**

**LOYOLA COLLEGE OF SOCIAL SCIENCES  
THIRUVANANTHAPURAM**



**Waste Management Related Awareness**

**2016-21**

- 1. Sustainability Consciousness as part of our Mission and Programme Outcomes**
- 2. Environment Awareness programmes**

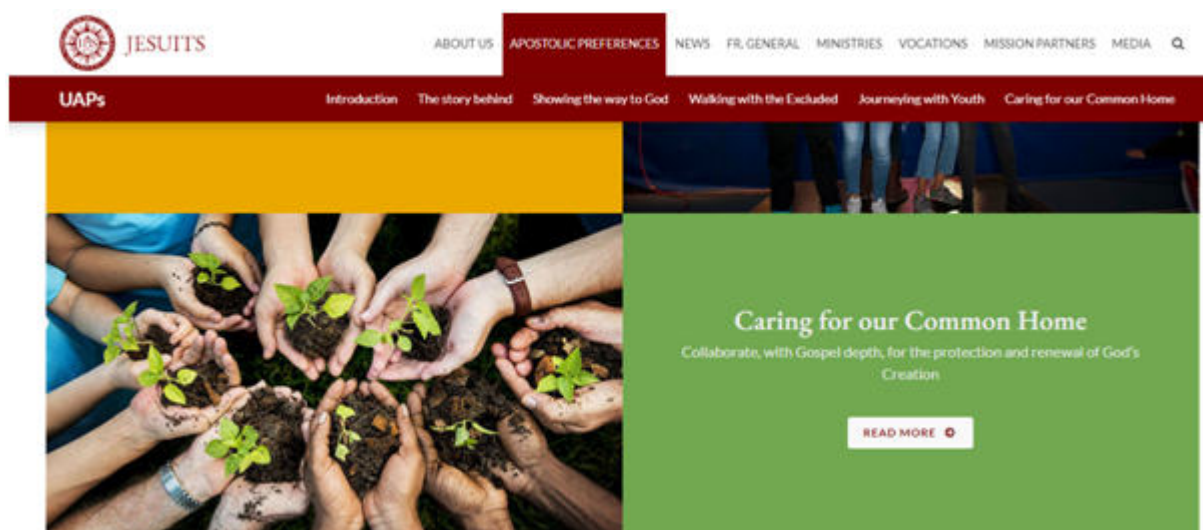
# Sustainable Consciousness

## 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

## 1. 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 11<sup>th</sup> 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.



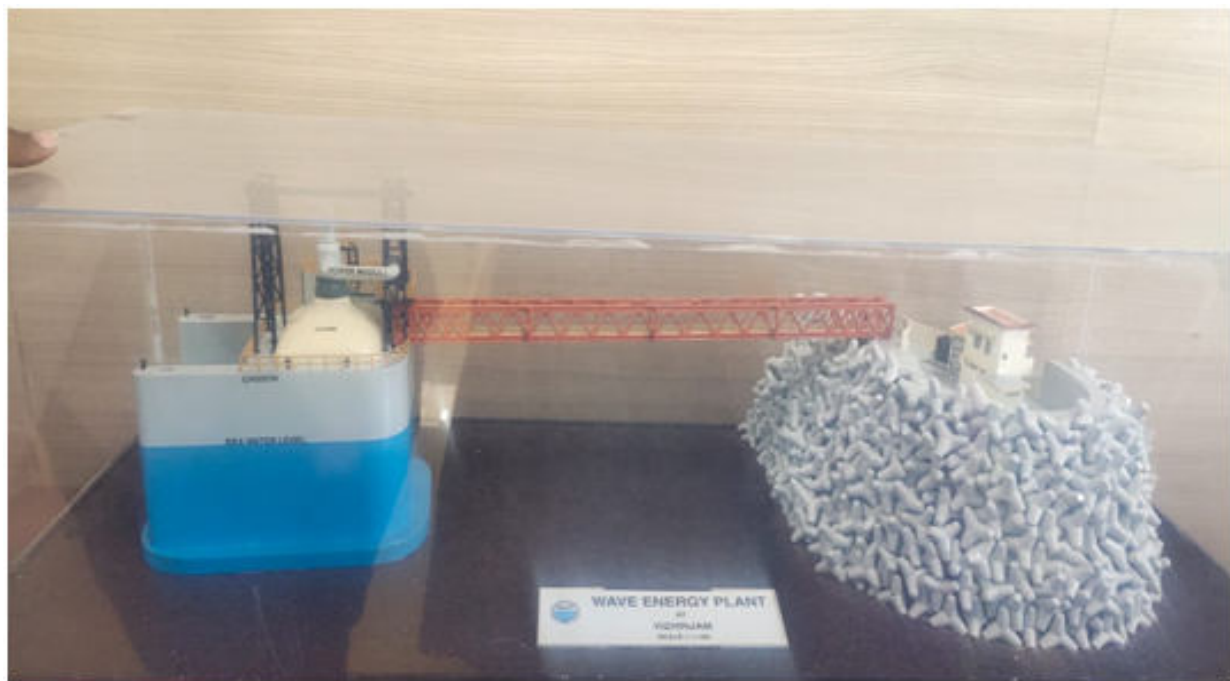


The last session was handled by a professional architect Shri. Yogesh Karnapooshanam, Kerala State Energy Conservation Building Code (KSECBC). He gave a short introduction on green building and took the team to visit the building of EMC. EMC is constructed as a green building. During its construction 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.



## 2. SATWI 2K21



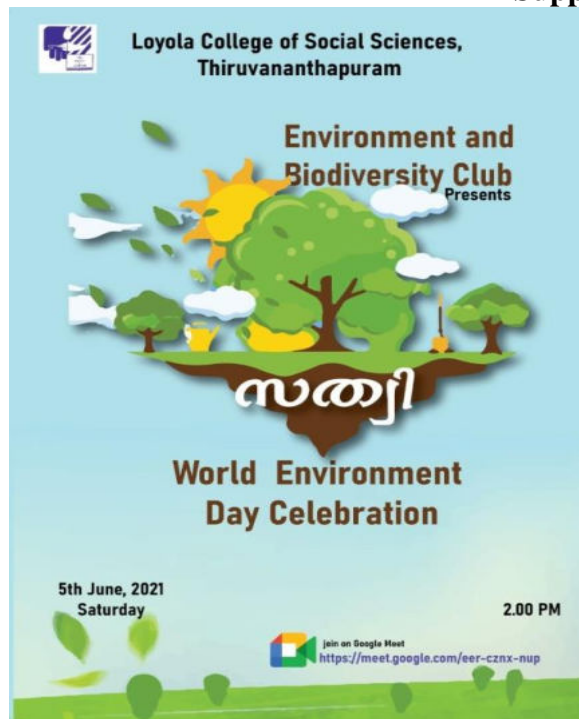
<b>Programme Name</b>	<b>SATWI 2K21</b> (ENVIRONMENT DAY PROGRAMME)	<b>Organizer</b>	Environment and Biodiversity Club in collaboration with NSS Unit (KL 07-011)
<b>Date</b>	05/06/2021	<b>Time</b>	1.45pm to 4.40 p.m.
<b>Venue</b>	GOOGLEMEET	<b>Faculty in-charge</b>	Dr. Francina P X

<b>Programme Objectives</b>	To create awareness on environment among Loyolites; to rewarm the activities of bio-diversity club in the beginning of an academic year
<b>Resource Person (s)</b>	<p>Mr. Akhilesh Anilkumar (Director &amp; Co-founder of Bring Back Green). His current research is upon climate education and policy changes to help solve the climate crisis.</p> <p>Mx. Anagh (Core - Team member – Bring Back Green). They work on diverse problems related to climate change such as waste reduction &amp; management at large scale events, promoting climate education as a tool to help solve climate change and on topics associated with gender and social justice (which are associated with climate change) such as sustainable menstruation, how climate related incidents such as coastal erosion affect the lives of fishermen. Communities, etc.</p>
<b>Participants</b>	Students and faculty of Loyola College of Social Sciences, Thiruvananthapuram
<b>Programme Activities</b>	<p>The programme started with a prayer and Dr. Francina P. X, Asst. Professor, Dept. of Social Work and Staff Coordinator, Bio-diversity club welcomed the gathering. Dr. Saji P Jacob, Principal inaugurated the programme.</p> <p>Activities Carried out:</p> <ol style="list-style-type: none"> <li>1. Talk on Environment Day by Mr. Akhilesh Anilkumar</li> <li>2. Session on Waste Management by Mx. Anagh</li> <li>3. Tribute to Late Sri. Sundhar Lal Bhahuguna (Environmentalism), Late Sri. Suguthakumari Teacher (Poet and Activist), Late Sri. Sajith Babu (NSS Regional Officer – Kerala &amp; Lekshwadeep &amp; Loyolite &amp; to Late Sri. Gopichettan, who was the guard of Environment in Loyola.</li> </ol>



	<ol style="list-style-type: none"> <li>4. A Talk on Loyola Vision on Environment: Ms. Aysha Areeba</li> <li>5. Announcement of prizes for Programmes conducted as part of Environment Day</li> <li>6. Release of the Magazine Cover of Environment Biodiversity Club</li> </ol> <p><b>PRIZES</b></p> <p><b>ATHEETHAM VIDEO CONTEST</b></p> <ol style="list-style-type: none"> <li>1. Entry no: 11, Mr. Alen Savio Lopuz, Fatima Matha National College, Kollam</li> <li>2. Entry no:4, Ms. Jumy George, II Sem. MSW, LCSS, Trivandrum</li> <li>3. Entry no:2, Ms. Daniya Babu, KNM College, Kanjiramkulam</li> </ol> <p><b>MERAKI'- CAPTION CONTEST</b></p> <ol style="list-style-type: none"> <li>1. Entry no:12; Caption -“അവഗണനയുടെ അവശേഷിപ്പുകൾ” (The oddments of delinquency); Mr. Daniel William, II sem MAHRM, LCSS, Trivandrum</li> <li>2. Entry no:4: "Mother Earth: "I couldn't digest" Mr. Pradeep B, RRII, Kottayam</li> <li>3. Entry no:13: “പ്രകൃതിയുടെ വികൃതി” Ms. Reenu Alias, Marthoma College, Tiruvalla, Msc Chemistry</li> </ol> <p><b>PUNARJANI'-ART AND CRAFT CONTEST</b></p> <ol style="list-style-type: none"> <li>1. Entry no:11- Ms. Lakshmi KB, Puthupaly, MA MCC, Chennai</li> <li>2. Entry no:6: Ms. Feba Ninan, St. Johns college Anchal &amp; Entry no:12; Mr. Josh Varghese, Marian college, Kuttikanam</li> <li>3. Entry no:1: Mr. Ajay Krishna. V and Valiyaveetumkandi, I B.Sc (Hons), Forestry student under Kerala Agricultural University &amp; Entry no:2, Ms. Jisna Lazar, JKKM college of occupational therapy, Eroode, Komarapalayam.</li> </ol>
<b>Programme Outcomes</b>	<ul style="list-style-type: none"> <li>• Students were able to listen to the efforts to sustain our environment</li> <li>• To have more practical understanding about waste management</li> <li>• Acknowledgement of contributions of environmentalists at national, state, regional and local level</li> <li>• Participation of students in various competitions, ensured their involvement in the activities related to awareness creation.</li> </ul>

## Supporting Documents



Loyola College of Social Sciences, Thiruvananthapuram Environment and Biodiversity Club	
 <b>സമൃദ്ധി</b> World Environment Day 5th June, 2021, Saturday 1.45 pm	
Program Chart	
Prayer song	: Ms. Aparna Raj A (II Sem, MSW)
Welcome	: Dr. Francina P X (Staff Co-ordinator, Environment & Biodiversity Club)
Inauguration	: Dr. Saji P Jacob (Principal, Loyola College of Social Sciences)
Session on Waste Management & Environment	: Mr. Akhilesh Anilkumar (Co-founder, Bring Back Green)
Tribute to Late.Sugathakumari Teacher	: Ms. Heera Krishnan R (II Sem, MSW)
Institutional Vision	: Ms. Aysha Areeba (II Sem, Counselling Psychology)
Felicitation	: Dr. Joice K Joseph (Staff Co-ordinator, Biodiversity Club)
Recitation	: Ms. K Anakha Soman (II Sem, MSW)
Tribute	: Late.Shri. Sunderlal Bahuguna (Indian environmentalist & Founder of Chipko Movement)
	: Late.Shri.Gopi Chettan (Non-Teaching Staff, Loyola College of Social Sciences)
Price Announcement of Environment day Programmes and Release of Magazine Cover	: Fr. Ranjit George SJ (Staff Co-ordinator, Environment and Biodiversity Club)
Vote of Thanks	: Ms.Gopika Rajendran (Student Coordinator, Environment & Biodiversity Club)

## Poster & Programme Sheet



## Caption Contest



Announcement on Arts & Craft Competition



Announcement on Videography Contest

URL Address of videos:

1. <https://youtu.be/l7jETzuCQwE>
2. [https://youtu.be/S\\_PCXc9wTkA](https://youtu.be/S_PCXc9wTkA)
3. <https://youtu.be/xstVEY6ec-g>







Certificates issued to winners

**Loyola College of Social Sciences, Thiruvananthapuram**

**Environment and Biodiversity Club**

**Contest Winners Congratulations**

**World Environment Day Celebration 2021**

**PUNARJANI art&craft competition**

**Atheetham videography contest**

**Meraki Caption Contest**

PUNARJANI art&craft competition	Atheetham videography contest	Meraki Caption Contest
<b>1st Prize</b>  <b>Lakshmi KB,</b> MCC, chennai	<b>1st Prize</b>  <b>Alen Savio Lopuz</b> Fatima mata national college, kollam	<b>1st Prize</b>  <b>Daniel William</b> Loyola College of Social Sciences, Thiruvananthapuram
<b>2nd Prize</b>  <b>Josh varghese</b> Marian college, kuttikanam	<b>2nd Prize</b>  <b>Jumy George</b> Loyola College of Social Sciences, Thiruvananthapuram	<b>2nd Prize</b>  <b>Pradeep B,</b> RRII, Kottayam
<b>3rd Prize</b>  <b>Ajay Krishna. V</b> Kerala Agricultural University	<b>3rd Prize</b>  <b>Daniya Babu</b> KNM college, Kanjiramkulam	<b>3rd Prize</b>  <b>Reenu Alias</b> Marthoma College, Tiruvalla
 <b>Feba Ninan</b> St. Johns college Anchal		
 <b>Jisna Lazar</b> JKKM college of occupational therapy, Eroode		

Winners of Competitions



**Cover Page of Magazine – Loyola Biodiversity & Environment Club**

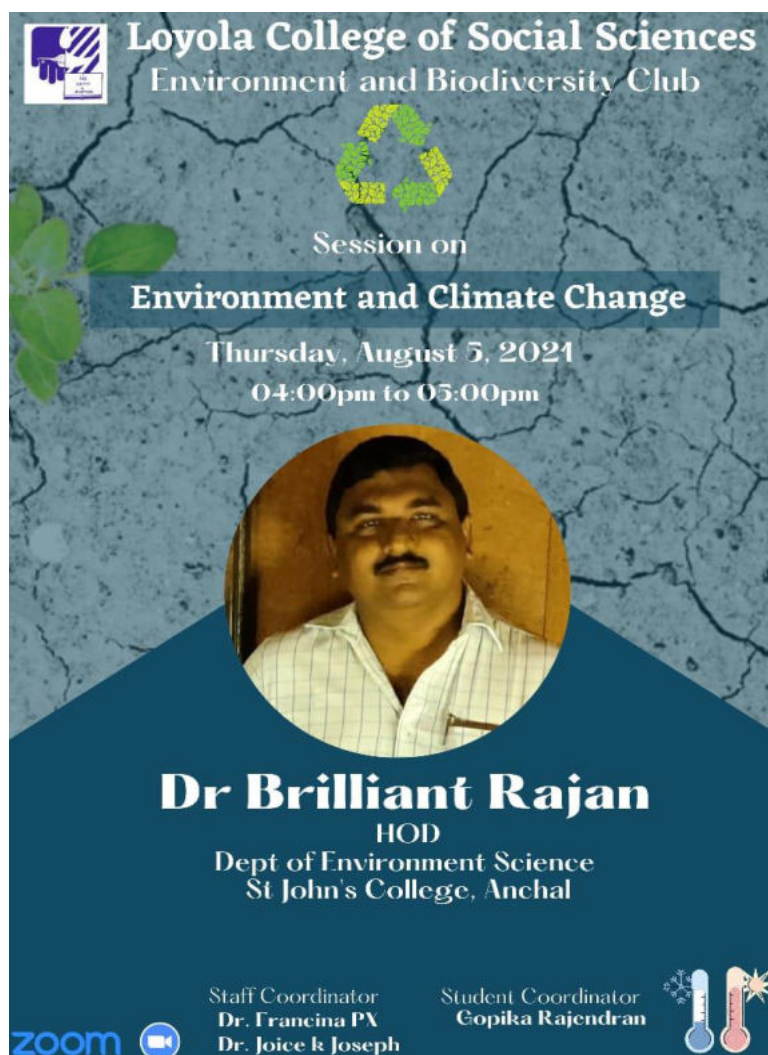


<b>3. Bio-diversity Day observation</b>			
<b>Programme Name</b>	<b>Session on Environment &amp; Climate Change</b>	<b>Organizer</b>	<b>Environment and Biodiversity Club of Loyola College of Social Sciences in collaboration with NSS Unit (KL 07-011)</b>
<b>Date</b>	05/07/2021	<b>Time</b>	4:00 p.m. to 5:15 p.m.
<b>Venue</b>	Zoom : <a href="https://us02web.zoom.us/j/9786755491?pwd=aFNIRGErSUNQQnhzNUd2OTlaYUZSU09">https://us02web.zoom.us/j/9786755491?pwd=aFNIRGErSUNQQnhzNUd2OTlaYUZSU09</a>	<b>Faculty in-charge</b>	Dr. Francina PX , Dr. Joice K. Joseph

<b>Programme Objectives</b>	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.
<b>Resource Person (s)</b>	Dr. Brilliant Rajan (Head of Department-Dept. of Environmental Science- St.John's College Anchal, Kollam)
<b>Participants</b>	Students and Faculties of Loyola College of Social Sciences, Thiruvananthapuram
<b>Programme Activities</b>	The programme activities were carried out in the following order :  1. Prayer song- by Aparna Raj (1 <sup>st</sup> Year MSW) 2. Welcome Address- by Rose Mary ( 1 <sup>st</sup> 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 (1 <sup>st</sup> Year MA HRM)
<b>Programme Outcomes</b>	<p>Students were able to understand the important components of Biodiversity.</p> <p>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.</p> <p>A general understanding of Biodiversity conservation, its main objectives and the various Bio-diversity conservation methods.</p> <p>Learnt about Climate Change and its various impacts.</p>
<b>Supporting documents</b>	Photos flyer, PPT, videos, attendance list

## Supporting Documents



**Loyola College of Social Sciences**  
Environment and Biodiversity Club

Session on  
**Environment and Climate Change**

Thursday, August 5, 2021  
04:00pm to 05:00pm

**Dr Brilliant Rajan**  
HOD  
Dept of Environment Science  
St John's College, Anchal

Staff Coordinator  
Dr. Francina PX  
Dr. Joice k Joseph

Student Coordinator  
Gopika Rajendran

zoom

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**Zoom Meeting**

# Importance of Biodiversity

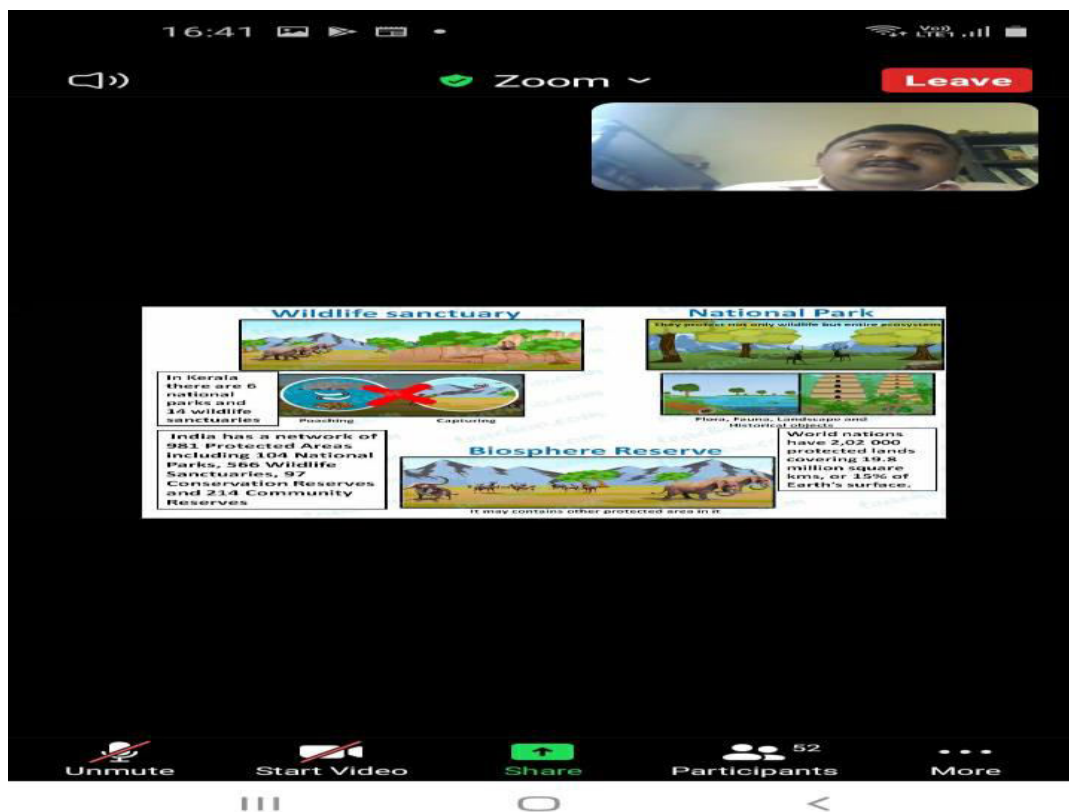
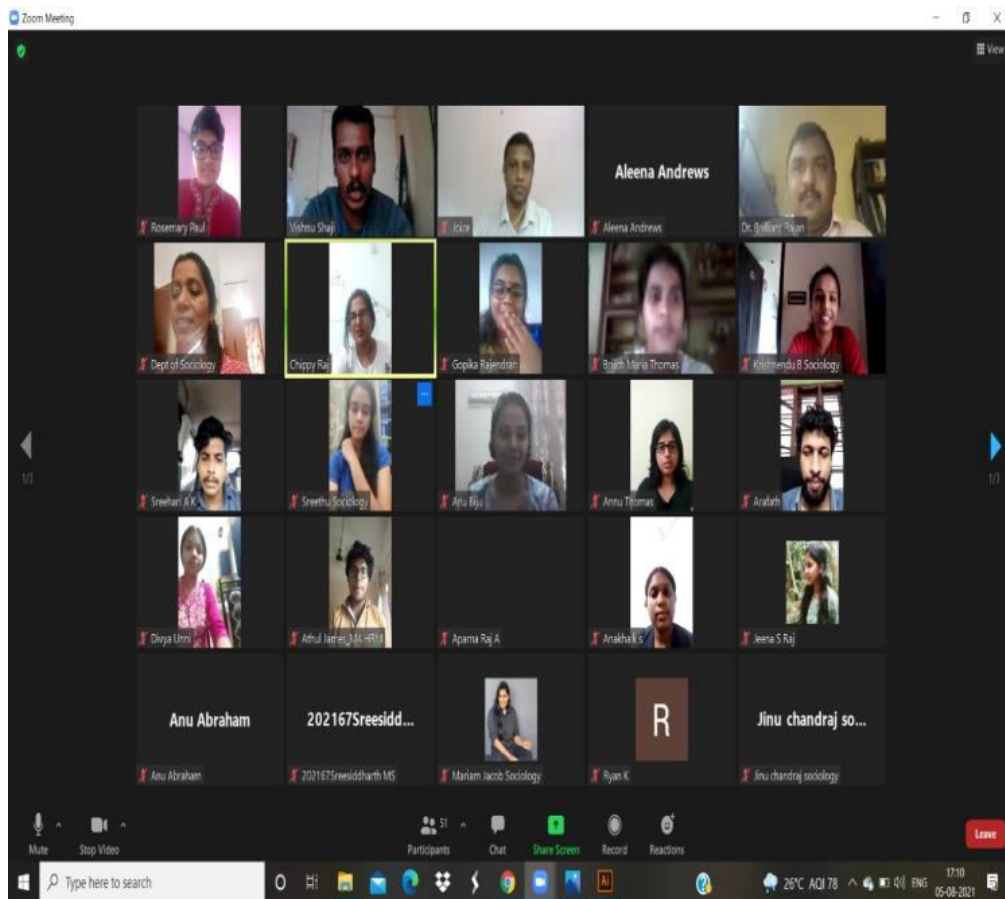
- Increases resistance & resilience of ecosystem
  - Less susceptible & quicker recovery
  - Whether spread of disease, fire, drought, human disturbance
- Genetic diversity gives us more "raw material"
  - New Pharmaceuticals – of top 150 prescription drugs, 118 are derived from natural sources: plants, bacteria, fungi, animals
  - Agriculture / food sources - genes with new/advantageous traits
  - Energy sources
  - Consumer goods / manufacturing / technology
- Ecological services
  - Recycling nutrients
  - Pollinators
  - Sequester CO<sub>2</sub>, release O<sub>2</sub>
  - Filter water
  - Remove / decompose pollutants
- Aesthetic value / Ethical – intrinsic
- Critical for sustaining human life – yet often not considered

**Participants (50)**

Find a participant

- Hina Roy
- ANCO SOCIOLOGY
- Jensel Raj
- KLISHA B
- Jincy Raj sociology
- Jiya John
- Jiya Chandni sociology
- Jashni Bose
- HEERA MSW
- HEERA MSW
- Harishank B Sociology
- Harishank B Sociology
- Hypha Rani
- Indira ME
- Rosemary Paul
- ICSHAN CHANNETT
- Riya R

16:27  
27°C Raib  
05-08-2021



*Francina*

Dr. Francina P. X

Programme Officer - NSS

Dept. of Social Work, LCSS



#### 4. 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).





## 5. Awareness 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.



## 6. Swachatha Action Plan Campaign

Loyola College of Social Sciences in collaboration with Ministry of Tourism Govt. of Kerala has organized Swacchatha Action plan a campaign for Swacch Bharat. It was an Inter-collegiate Inter-school event where more than 400 students from different college around the city participated. Several events were organized for the students. Dr.Divya.S.Iyer, Sub-Collector has inaugurated the function. Sri. Sutheeshna Babu from Ministry of Tourism delivered the presidential Address. The programme was organized on 15<sup>th</sup> March.







## **7. Recycling Wizard Competition**

As part of the environment day celebration unit announced a **recycling wizard** competition in the college. The students were asked to make things out of the waste materials that they gather from the college. The best entries were promised to be awarded. This competition was announced with the intension to communicate the idea of recycling. The students of all the departments actively participated in the completion .Out of all the entries received Mr. Shine Augustine of 2nd MSW was awarded for his creative ideas of using old shoe and bottles for planting plants. He was given the title of the recycling wizard.

## 8. Street Play – On Health & Hygiene

The NSS Unit in collaboration with SALT conducted a street play based on 'need for health and hygiene' at various place in and around Trivandrum Corporation on 18th November 2016. The play tried to make the public aware about the different types health issues like use and dumping of waste materials, plastics, how it is contributing to the environment problems and also in the health issues and diseases like Malaria, dengue etc. The street play is showcased the street played at major city spots like Sreekariyam, Shangumugham etc.





# **LOYOLA COLLEGE OF SOCIAL SCIENCES THIRUVANANTHAPURAM**



## **Waste Management Rules**

## **Environment Policy**

## **Environment Policy of Loyola College of Social Sciences- Indicating Waste Management**

### **ENVIRONMENT POLICY**

The Loyola Environment Protection (Green) Policy aims to achieve the following:

- a. To aid the college in achieving UNDP Sustainable development goals 3, 4, 6, 7, 11, 12, 13, 15 and 16 by 2030.
- b. To engage in environmentally sustainable activities that ensure reduction in waste produced in the college.
- c. To develop sense of responsibility towards own waste and culture of segregation of waste at source.
- d. To encourage initiatives towards protection and promotion of environment.
- e. To promote healthy waste management and sanitary practices among all stakeholders of the College.
- f. To promote individual level actions for proper waste management in the institution.

### **Scope**

This Policy applies to any LCSS staff member, located in, on or offshore (including those attached to other organisations), contractors, sub-contractors, board members, program participants (i.e. volunteers, scholarship holders, distance education students, trainees, trainers, group leaders and facilitators) LCSS teachers, research scholars and students. The policy shall also apply to all hostel residents who may not be members of Loyola College fraternity, like students from CET, CTCRI etc.

## Definitions

- a) Environment means the surroundings or conditions in which a person, animal, or plant lives or operates.
- b) Sustainable Development Goals (SDGs), otherwise known as the Global Goals, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. The SDGs work in the spirit of partnership and pragmatism to make the right choices now to improve life, in a sustainable way, for future generations. SDG 11.6 aims to reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.
- c) Environmental degradation comes about due to erosion and decline of the quality of the natural environment. On this regard, degradation means damage or reduction in quality of environmental features, primarily influenced by human activities.
- d) Environmental protection refers to any activity to maintain or restore the quality of environment through preventing the emission of pollutants or reducing the presence of polluting substances in the environment. It may consist of: changes in characteristics of goods and services, changes in consumption patterns, changes in production techniques, treatment or disposal of residuals in separate environmental protection facilities, recycling, and Prevention of degradation of the landscape and ecosystems
- e) Green protocol is essentially a set of measures which when implemented results in significant reduction of waste with primary focus on prevention of use of disposables and using reusable alternatives.
- f) Waste management is the collection, transportation, and disposal of garbage, sewage and other waste products. It is the process of treating solid wastes and recycling items that don't belong to trash. Waste management disposes of the products and substances that one has used in a safe and efficient manner. It has four components called the Six R's:
  - **Rethink** means design in a way that considers people and their environments.

- **Reduce** means reducing consumption or buying less.
- **Reuse** means finding a new way to use trash instead of throwing it out, to avoid creating waste rather than trying to recycle it once it's already there.
- **Recycling** is the process of collecting and processing materials that would otherwise be thrown away as trash and turning them into new products.
- **Refuse** is to refuse the usage and purchase of products which are harmful for the environment protection practices and create wastage of resources
- **Repair** means when a product breaks down or doesn't work properly, try to fix it.

### Guiding Principles of the Environment Protection Policy

This Policy is based upon the following guiding principles:

- a. **Zero tolerance** for environmental degradation;
- b. Sharing **responsibility** for waste management;
- c. **Individual level** approach to prevent environmental degradation; and
- d. Recognition and promotion of **sustainable waste management**.

### The Environment Protection Code of Conduct

**Acceptable Behaviours-** Students and staff shall:

- a. Abide by the environment protection policy of Loyola College of Social Sciences.
- b. Be responsible for keeping the campus clean and aiding the cleaning staff in the said duty.
- c. Follow a green protocol at college programs to create as less waste as possible.
- d. Keep aside one hour every week for environment management (helping cleaning staff, helping in the garden, or conducting environment protection activities in the nearby communities).
- e. Protect and build the bio-diversity of the college with student-participation.
- f. Ensure that the correct type of waste is put in the designated dustbin and reference shall be taken from the posters put up in the college.
- g. Ensure that Recyclable waste that has been soiled in any form shall be washed and dried to the maximum extent possible before being put in the recyclable dustbins.

- h.** Make certain with the Purchasing Department that products bought from markets are reusable and have been or can be recycled. This shall ensure a reduction in the waste generated in the college.
- i.** Partake in efforts to convert the college into plastic free campus. Existing plastic materials shall be reused and up-cycled, or given to be recycled.
- j.** Take steps towards reducing paper waste as much as possible. Prints shall be taken only when absolutely necessary, and when done should be on both sides of the paper. Students and staff shall try to use the digital medium like Moodle, in case of subject notes, assignments, etc.
- k.** Prefer the usage of Ink pens to reduce plastic waste; they may use the ink filling corner to refill the pens.
- l.** Try to move away from plastic containers and water bottles, and switch to sustainable material like steel.

**Unacceptable Behaviours-** Students and Staff shall not:

- m.** Hinder the achievement of clauses under the Environment Protection Policy of Loyola College of Social Sciences.
- n.** Discourage any person from following the rules regulations for maintaining a clean campus.
- o.** Create any waste that can be avoided through conscious efforts. Rules that are put up in college premises have to be abided by, strictly.
- p.** Promote any practices that are harmful to the environment and shall only promote practices that conform to the six R's (Rethink, Reduce, Reuse, Recycle, Refuse and Repair).
- q.** Throw any waste material (recyclable or otherwise) negligently in college premises.
- r.** Dispose used sanitary napkins in dustbins; the incinerator placed in the Ladies toilet on the ground floor must be used for this purpose.
- s.** Use flowers draped in plastic covers and flex items during public functions in campus and shall welcome dignitaries with other viable sustainable options.



### **Code of conduct at College events:**

- t.** Paper prints shall be avoided as much as possible and the digital medium shall be made the primary medium of communication. Two side prints shall be made the preferential type of printing.
- u.** Pamphlets, notices, schedule shall be printed on both sides of the paper. If possible hand-made Pamphlets, notices, schedules can be made on reused paper utilised in creative way.
- v.** The decorations used at college events shall be compulsorily bio-degradable materials like paper, naturally available materials like fallen leaves, and up-cycled or reused materials.
- w.** Flex and/or other display materials are strictly prohibited; printing or painting shall be done on cloth or jute materials.
- x.** Ensure the use of utensils like steel, glass, and ceramics, and if necessary use bio-degradable disposables only. These include: leaf plates (banana leaf/areca nut leaf), clay cups or any other environmentally viable alternatives.
- y.** There shall be waste segregation volunteers at all college events, who guide the disposal and segregation of waste.
- z.** Staff and students shall ensure that post- event management is done efficiently and all waste is segregated by the dedicated student organisers. Post- event management includes washing the utensils used, removing decorations and segregating them according to type if not further required, cleaning the area, and collecting and segregating the waste.

### **Rules of Waste Segregation**

- a.** All students and staff shall partake in efforts to segregate waste generated in the college into: (a) Recyclable waste; (b) Non- Recyclable waste c. Organic Waste. No soiled waste materials shall be put into the recyclable waste bin and food packets shall be rinsed and then placed in the waste bins. This shall be strictly practiced as otherwise the product ceases to be recyclable, in accordance to the rules of the recycling unit which maintains the dignity of its cleaning personnel who handle waste.

- b. Every bit of recyclable waste, from bits of paper to plastic bottles shall be segregated and sent to the recycling unit or up-cycled by the students.
- c. If any of the bins are found to be filled, the staff and students shall inform the cleaning personnel at the earliest.
- d. All students and staff must use the dustbins according to the specified type: Green – Organic waste, Blue – non- recyclable & plastic waste, Red – Glass pieces.
- e. College should have a system of waste segregation at the source and waste management. The college shall have bio-gas plants at different locations.

### **Education and Training**

- a. All staff and students will receive an orientation workshop about the types of waste, segregation of waste.
- b. Staff and students shall be made aware about how environment consciousness can be applied to daily life and how individuals can help in environment sustainability.
- c. Posters and notices shall be put up in college premises regarding waste management which shall be used as reference by all students and staff.
- d. The workshops regarding the practices of waste management shall be compulsorily attended by all students and staff of the college.

### **Ensuring Sustainability**

- a. Loyola College shall conduct environment management and biodiversity activities on every Wednesday.
- b. The college should conduct green audit, biodiversity audit, water audit and energy audit periodically.
- c. The college should encourage the protection and rejuvenation of flora and fauna in the campus.
- d. The college shall encourage planting of saplings at different locations. The eminent personalities who come to the campus for official functions shall be encouraged to plant trees. There will be a system of gifting plants and trees instead of giving any material gifts.

- e. The college should encourage the use of bicycles in the campus and make freely available bicycles for use.
- f. The college shall encourage everyone in the campus not to burn dry leaves, paper and plastic materials.
- g. To ensure sustainability of the policy and its efficient implementation Environment Management Committees shall be formed.
- h. There shall be a staff head and student secretary in the committee who spearhead decisions.
- i. The committees shall be formed through proper selection procedure of selecting volunteers and members with commitment towards protection of environment.
- j. The committee's sustainability shall be ensured through yearly selection of new members and volunteers, conducting induction for future batches of students about the policy. Hobby centre can be undertaken by the committee to bring forward innovative means of up-cycling, which will be open to all students and staff of the college, workshops can also be conducted to promote the six R's

### **Implementation strategies**

- a. The policy shall be introduced to all stakeholders of the college and they shall compulsorily follow the guidelines.
- b. Proper orientation must be given to all stakeholders regarding segregation of waste followed by sessions by resource persons regarding need for waste management.
- c. Formation of Environment Management Committees through democratic means, and an introduction of the committee to all stakeholders.
- d. An efficient waste segregation system must be setup in the college, by reusing the existing systems.
- e. Putting up posters and information mechanisms on available public display systems about types of waste, and waste segregation system.
- f. Notices regarding sanitation rules must be put up in all toilet cabins and outside toilets.

- g. Environment management committee shall get in touch with other institutions (example, College of Engineering Trivandrum, Energy Management Centre etc.) that practice innovative means of waste recycling and share and implement them with college staff and students.
- h. Establishing an award, like Green Warrior, for students that show exceptional skill in forwarding green causes, in campus and out of campus.
- i. Conducting a Green Audit in the College, and evaluating the implementation of Environment Protection Policy and activities of Environment Management Committee. This shall be done involving the all stakeholders of the college, like Office staff, Canteen staff, teaching and Non-Teaching staff, all students and Research scholars.
- j. The college shall encourage organic farming and the products of the organic farming shall be used in the college canteen.
- k. The college shall appreciate and recognise the performance of different departments for their contribution towards the implementation of green initiatives and Green awards may be announced to recognise laudable performance.
- l. The college shall conduct green awareness programmes for the students and staff on a periodic basis.
- m. The college should ensure the ban of tobacco and related substances and their use.
- n. There shall be two day workshop on environment protection policy to the new batch of students, a week after the induction. They should be led into the practice of collection of waste, segregation and disposal in the designated locations.
- o. The college shall ensure pollution free campus.

#### **Future direction**

- a.** Incorporation of Municipal Corporation in waste segregation at site (college) and collection of waste to be recycled.
- b.** Use of Bio-degradable sanitary napkins in college napkin vending machine.



- c.** Grey water recycling at Ladies' and Men's Hostel as large quantity of waste water is generated here.
- d.** Once the plastic dustbins become unusable, they shall be replaced with steel alternatives for long term use.
- e.** The construction of new wings in college shall be using low cost energy efficient methods and can be planned in consultation with Energy Management Centre.
- f.** Any individual found indulging in any unacceptable behaviour shall be proactively penalised, by creating/buying an up-cycled product and gifting it to an individual in the college itself and/or buying a plant, planting it in college premises and ensuring its survival.

**LOYOLA COLLEGE OF SOCIAL SCIENCES  
THIRUVANANTHAPURAM**



**Waste Management Related Physical Activities**

- Sharamadaan**
- Environment Management**

## 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 24<sup>th</sup> in the Sreekaryam Police station under the leadership of Dr Anitha.S

On September 24<sup>th</sup> 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.









## ENVIRONMENT MANAGEMENT

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.









## **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.



## **Class on Organic Farming**

As part of the Sustainable Living Initiative the volunteers organized a session on 'Food Agriculture and Sustainable Living' on 4th October 2016. Mr Biju Sunderan a member of the NGO Pragruti was the guest of the day. Pragruti is an association of a group of youngsters in Technopark, Thiruvananthapuram with the aim of promoting the idea of sustainable living through agriculture. The programme started at 11.40 am with all the volunteers and faculties in the campus gathering together at the Sutter Hall. At 11.45 the session started with a prayer. Then the welcome address was delivered by Dr. Jose Boban K, Principal of the college. He extended a hearty welcome to the guest and all gathered. In his welcome address he traced out the emerging interest in Kerala society in organic living. He cited the examples of the initiatives of 'Shresta Krishi' and 'Kuttikrishi' in the state. He congratulated the volunteers for their initiative in organic farming.

This was followed by Key address by Mr. Biju, who started his address with stating some facts about the health status of Kerala using some recent statistics. Then he moved into the idea of how food and health are related. He pointed out that even though Kerala once had a healthy sustainable pattern of agriculture and living with the economic and social advancements of various phases of life it has lost this pattern of life making them dependent on other states for their food crops. He raised the question how healthy are we and are we eating safe?

After contextualizing he tried to project organic farming as the only alternative for a healthy sustainable living. He then explained the process of cultivation from the basics using power point presentation. He also explained the idea of organic farming and the making of organic pesticides and fertilizers like pukayillakashayam, composting etc. He concluded by asking the students to build a better tomorrow through a sustainable pattern of life. The session came to an end by 1.pm with a vote of thanks delivered by Dhanya Raj of 2nd MA Sociology.







## Haritha Keralam- 2016

The most ambitious program Haritha Keralam was launched by Kerala Government on 8<sup>th</sup> 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.







## KERALA Piravi- 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.

