



ST. TERESA'S COLLEGE, ERNAKULAM (AUTONOMOUS)

BHOOMITHRA SENA CLUB

REPORT OF ACTIVITIES: 2015-16

Introduction

St. Teresa's College aims at grooming socially responsible and environmentally conscious young women who will value the bounties of nature and strive to preserve them. Such moulding is being done by various departments as well as Bhoomithra sena club in the college. Bhoomithra Sena Club in the college (Code No: 107/EKM/05/10), formed with support from Directorate of Environment and Climate Change, Government of Kerala, strives to promote green citizenship among its members as well as citizens in general. Through these entities, the college has over the years been organizing nature camps, seminars, debates, lectures, quiz programmes on environmental issues and actively working to initiate change in their students and varied localities. Green initiatives of the college have mainly focused on scientific waste management and energy conservation. Hence activities in this report are presented in three functional categories:

- 1. Solid Waste Management**
- 2. Energy Conservation**
- 3. Other environment related activities**

Solid waste management

Solid waste management being one of the major challenges faced by citizens of Kerala today, posing a threat to health achievements of the state including environmental health, students and faculty members of St. Teresa's college are doing their little bit to help address this issue. Besides engaging in academic research, they are also organizing awareness/ awareness cum

action programs to tackle this issue. The activities undertaken in this functional area are presented under three sub categories namely

Academics and Research

Awareness Programs

Action

Academics and Research

Dr. Nimala Padmanabhan, faculty in-charge of Bhoomitra Sena club is conducting a research on “Role of the Local Governments in Solid, Liquid Waste Management and Environment Protection-A Study of Panchayats in Kerala”. This project is supported by the Kerala Local Government and Service Delivery Project (KLGSDP), funded by the World Bank and undertaken by the Decentralization Analysis Cell (DAC), Gulati Institute of Finance and Taxation, Thiruvananthapuram. Studies have been conducted in Nenmeni Panchayat in Wayanad, Marutharod Panchayat in Palakkad, Ezhikkara Panchayat in Ernakulam, Kanjiramkulam Panchayat in Thiruvananthapuram.

Waste Audit -Marutharode Panchayat

Waste audit was conducted in Marutharode Panchayat Palakkad District from 27th to 29th July 2015 covering 239 households and institutions wherein solid waste generated by these units were collected, sorted and measured to estimate the quantum of the issue in rural areas, examine source of generation, composition of waste and characteristics of waste such as calorific value, bulk density etc. Such information is crucial for designing an effective management strategy

Waste Audit Nenmeni Panchayat

Waste audit was also conducted in Nenmeni Panchayat, Wayanad District from 17th to 19th October 2015 covering 236 households and institutions.

Chemical analysis of water quality was done in sample water bodies in Marutharode Panchayath, Palakkad and Nenmeni Panchayat, Wayanad since the first sign of environment stress will be reflected in water quality.

UGC Sponsored National Seminar - St Mary's College Trichur

Dr. Nirmala Padmanabhan handled a session on Solid Waste Management as a part of UGC sponsored national Seminar on " Infrastructure and Economic Development: Present Scenario, Challenges and Future options" at St Marys College Trichur- September 16, 2015 wherein activities done by the college in this regard particularly Bhoomithram Sanchi project were shared with participants as a potential model to be emulated for reducing waste generation.

RESEARCH BY FACULTY MEMBERS

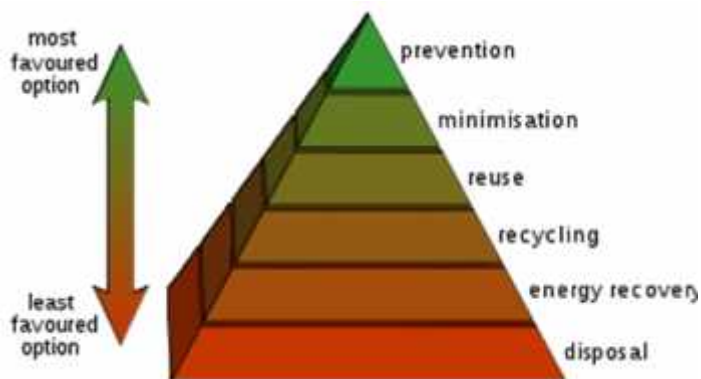
Dr. Nirmala Padmanabhan, faculty in-charge of Bhoomitra Sena club is currently part of a State level committee formulating policy for solid waste management in Kerala.

RESEARCH BY STUDENTS

Heba Abdul Azeez of III B. A Economics – is analysing the attitude of students towards Plastic Waste Management and exploring the possibility of utilising Behavioural Economics in bringing about attitudinal change as highlighted in WORLD DEVELOPMENT REPORT 2015 (BA project).

Awareness Programs

Awareness Content-Basic Principles Of Solid Waste Management



Awareness – Bhoomitram Sanchi Project

Bhoomitram Sanchi was designed as a part of “Ezhazhakilekku Ezhikkara” project. Bhoomithram Sanchi is a cloth bag made from old clothes. The objective is to make the use of

bhoomithram sanchi is a fashion among all the students of St. Teresa's College and other educational institutions in Ernakulam district, thereby reducing the volume of non recyclable plastic waste being generated in Kochi city at present. We propose to train as many Kudumbasree members as possible in stitching these bags and popularising its use among various segments of society such as students, residents associations etc. The key objective is to promote the basic principles of waste management such as recycling of old textiles, resource recovery from non-biodegradable clothes and reduction of plastic waste. Such plastic carry bag substitute cum material resource recovery campaigns have been organized in nearly 17 sessions both within and outside the college and covering five districts of Alleppey, Ernakulam, Kottayam, Trichur and Palakkad

A key strategy in this campaign is to a) train Kudumbasree members in stitching bhoomithram bags and b) encourage people to stitch and use them as alternatives to plastic carry bags. A key partner in this campaign is Darshana Kudumbasree – a unit of cochin corporation's anti poverty unit which is located at Kaloor. Students of Women's Studies Centre of St. Teresa's designed and trained members of this Kudumbasree unit who in turn are currently functioning as resource persons for various training sessions organized by the college.

The functioning of this Kudumbasree in stitching Bhoomithram Sanchi was also appreciated by the Kudumbasree authorities in Ernakulam district and by various news agencies.

Awareness activities are presented under two headings-

- a) Awareness within the Campus
- b) Awareness outside the Campus

Awareness within the Campus

Awareness classes :Awareness classes were conducted by Dr. Nirmala Padmanabhan, faculty in-charge of Bhoomitra Sena club about the need to reduce plastic and find an alternative in using Bhoomithram Sanchi within the college

- a) Chemistry Department (10/09/2015)
- b) Commerce Department (24/09/2015)
- c) All I B.A, BSc students (19/11/2015)
- d) All II B.A, BSc students.(20/11/2015)

Popularising Bhoomithram Sanchi – Flash Mob

The Bhoomithrasena club of St. Teresa’s College hosted the "Bhoomithram-joining hands with nature" campaign on 22 July 2015. It aimed at the reduction of plastic and spreading awareness regarding the dangers of plastic usage. The College Principal, Dr Sajimol Augustine and Ms Nirmala Padmanabhan, HOD of Economics Department graced the occasion.

The event began with a power point presentation made by Dr.A.P.J Abdul Kalam which provided a glimpse into the world in the year 2070 which was followed by a speech on impacts of plastic usage and a flash mob which propagated the idea. A speech by Ms Nirmala Padmanabhan followed in which she introduced the Bhoomithram Sanchi, and requested everyone to be a part of this movement. The Principal too extended her heartfelt congratulations to the club. The programme was telecast in media – Asianet (in chuttuvattom, the video can be viewed on youtube), Mathrubhumi, Den TV. The reports were published in various newspapers like Mathrubhumi, City Times.

Facebook Page for promoting Bhoomithram Sanchi

BMC members created a facebook page for promoting and popularizing Bhoomithram Sanchi among students. The page was created by Melisa Treasa and Laya Rose of third B.Sc. Zoology.

WHATSAPP GROUP : Use Of Social Media



Debate Competition

A debate competition was conducted in the college in collaboration with District Suchitwa Mission on 15/12/2015 on the **topic 'Malinya Samskaranam Bharanakoodathinte Kadamayo Governmentinte Utharavadhithamo?'** Nine teams participated in the competition.

Awareness outside the campus

Awareness classes were conducted by the Bhoomitra Sena members in 10 higher secondary schools:

- St. Anglo Indian School, Bolgatty (4/01/2016)
- Hithayathul Islam High School, Ponnarimangalam (4/01/2016)
- St Anne's EMS, Bolgatty (4/01/2016)
- St Sebastian LPS, Bolgatty (4/01/2016)
- St Thomas Girls HS, Perumanoor (27/01/2016)
- Govt. UPS, Kottuvally (29/01/2016)
- Govt. Girls HSS, Ernakulam (29/01/2016)
- Assissi Vidyanikethan (02/02/2016)
- St Josephs UPS, Thrikakkara (03/02/2016)
- Salem VHSS, Perumbavoor Vengola

1. Place: St. Francis Anglo Indian LPS, Bolgatty
Date: 4/02/2016
Participants: 48 students from 1,2,3,4 classes
Resource Person: Nimishitha George I DC Economics

Anstle George I DC Economics

2. Place : Hidayathul Islam High School,Ponnarimangalam

Date: 4/02/2016

Resource Persons: Anstle George I DC ECONOMICS

Nimishitha George I DC ECONOMICS

3. Place: St.Anne's E.M.S, Ponnarimangalam

Date: 4/02/2016

Resource Person: Anstle George I DC Economics

Nimishitha George I DC Economics

Participants: 54students from 5,6 classes

4. Place: St.Sebastian UPS, Bolgatty.

Date: 4/02/2016

Resource Person: Anstle George I DC Economics

Nimishitha George I DC Economics

Participants: 41 students of LKG,UKG,1,2,3,4,5,6,7 Classes

5. Place: St.Thomas.G.H.S, Perumanoor

Date: 27/01/2016

Resource Person: Bilma Joshy I DC Economics

Hanaitha . K. H I DC Economics

Participants: 80 students from classes 6th,7th and 8th

6. Place: Govt. UP School, Kottuvally

Date: 29/01/2016

Resource Person: Advent Mary I DC Economics

Silvana George I DC Economics

Participants: 50 students from 5th,6th,7th

7. Place: Govt.UP School for Girls , Ernakulam

Date: 29/01/2016

Resource Person: Smrithy. K. S I DC Economics

Akhila Rose I DC Economics

Participants: 72 students from 7th classes

8. Place: Assissi Vidyaniketan Public School

Date: 2/02/2016

Resource Person :Maria Shilling , Smruthy Thomas

Participants : 250 students

9. Place: St. Joseph Public School, Thrikkakara
Date: 3/02/2016
Resource Person: Merlin Josephine Mathew I DC Economics
Mary Shamine I DC Economics
Participants: 5th class students
10. Place: Salem Vocational Higher Secondary School ,Vengola .
Date: 4/02/2016
Resource Person: Serah Raphael I DC Economics
Monica Sebastian I DC Economics
Participants: 40 students of 8th class
11. Navanirman Public School ,Vazhakala Cochin(29th February,2016)

AWARENESS CUM ACTION

One day workshop at Paravoor Block Panchayat Office, 28th April 2015

As a part of the Navabodham programme of Paravur Block Panchayat organized with the support of Suchithwa Mission Ernakulam, district, a one day workshop was held on 28th April, 2015 at Paravoor Block Panchayath Office. Kudumbasree members from different wards of Paravur Block Panchayat were given training for making Bhoomithram Sanchi. The workshop was conducted by the STARS and Bhoomithra Sena Club members of St. Teresa's College, Ernakulam. Anu, Akshara and Anila - students from the Dept of Fashion Technology, St. Teresa's College trained the participants. Eighty nine Kudumbasree workers from different wards of the Block Panchayath attended the training programme.

One day workshop At Pottakuzhy(Kaloore) on 6th May 2015

A one day workshop on making of Bhoomithram Sanchi was organized on 6th May, 2015 under the initiative of Smt. Alice Joseph (ADS chairperson Ward no 72). The programme was conducted at the residence of Smt. Rose Femila, Secretary Kudumbasree. Eighteen Kudumbasree members from 3 wards (ward no 41, 71 and 72) attended the workshop. Anu and Akshara, students St. Teresa's College, Ernakulam trained the participants for making Bhoomithram Sanchi.

Introduction of Bhoomithram Sanchi to Jawahar Nagar - May 6, 2015

Dr. Nirmala Padmanabhan (FIC, BhoomithraSena Club), Smt. Celia Francis and members of the Women's wing of Jawahar Nagar residents welfare association met May 6 ,to discuss about the dangers of using plastic and necessity of reducing the plastic products. The resident members participated actively in the discussion. During the meeting, the Bhoomithram Sanchis designed by the Women's Studies Centre of St. Teresa's College was introduced before the participants. The initiative of introducing Bhoomithram sanchi was highly appreciated by the residents who decided to popularize it in the colony. A suitable date and venue was declared for collection of recyclable materials for manufacturing the sanchi. It was also decided to conduct an awareness campaign from 17th to 31st May, on reducing the use of plastic carry bags

Collection of recyclable materials from Jawahar Nagar for stitching Bhoomithram sanchi- May 15, 2015

Recyclable material was collected from various households of jawahar Nagar on 15thMay,2015 at plot no 6 Jawahar Nagar colony.. Dr. NirmalaPadmanabhan(FIC, BhoomithraSena Club) and Smt. Celia Francis student member handed over the collected material to Mrs Sameena and Mrs Thasneem, Kudumbasree members who had been given training in making the sanchi.

One day workshop at Vimalalayam on 25th May 2015

On 25th May 2015, a full day workshop on making of Bhoomithram Sanchi was conducted at Vimalalayam .Mrs Mariamma Joseph and Mrs Salimma Abraham, members of STARS, were the main trainers of the programme. 26 Kudumbasree members representing the 12 wards of Cochin Corporation attended the workshop. Other than the Kudumbasree members, two students-one from Trivandrum and another from S N Law College, Poothotta attended the programme. Members from Udayamperoor panchayat also benefitted from the training.

Awareness Campaign In Jawahar Nagar On Need To Reduce Plastic Carry Bags-15 May To 31 May 2015

With the aim of reducing the use of plastic carry bags, an awareness campaign was organized in JawaharNagar housing colony from 15 May to 31 May 2015. The campaign was conducted by Bhoomithra Sena Club of St.Teresa's College ,Ernakulam in association with women's wing of Jawahar Nagar Resident's Welfare Asssocation, Kadavanthra Children of different age groups from 6 to 17 participated actively in the programme. During the campaign they visited various houses in the residence area with placards bearing messages to reduce plastics. They also introduced the Bhoomithram Sanchi to the residents and the participation of colony residents was very enthusiastic and highly motivating.

Launching of Bhoomithram Project at Paravoor Block Panchayath,5th June,2015

The official inauguration of the Bhoomithram project in Paravoor Block Panchayath was held on 5th June, 2015. The project is being implemented by Paravoor Block Panchayath in association with Suchithwa Mission, Ernakulam as a part of the "Navabodham"programme. The main aim of the project is to reduce the use of plastic carry bags along with economic empowerment of women from weaker sections of society by providing them employment opportunities.

Environment Day Celebrations-5th June, 2015

As a part of the Environment Day Celebrations, Bhoomitra Sena Club in association with NSS Unit (National Service Scheme) of St. Teresa's College, organized an intercollegiate workshop on making BhoomithramSanchi.

Training in making Bhoomithram Sanchi for NSS volunteers from various colleges in MG University (June 5th ,2015)

Workshops for imparting training on stitching Bhoomithram sanchis were held for various Kudumbasree members/ students groups in various districts in Kerala. Training sessions were organized in

- GVHSS, Haripad (21/12/2015)
- Kariyad, Nedumbassery (22/01/2016)
- Kudumbasree Kondhuruthy, (3/12/15)
- Holy Family HSS,Cherthala (07/12/2015)
- Govt College ,Tripunithra(30/11/2015)
- Kudumbasree members Marutharode Panchayat, Palakkad (19/08/2015)
- Dhanalakshmi Kudambasree, Nattassery, Kottayam(17/01/2016)

- Model Technical School, Kaloor (16/01/2016)
- St. Stephens' College Uzhavoor (30/01/2016)
- Arukutty Govt. UP School, Mattathil Bhaagam (5/02/2016)
- Palakuzha Koothattukulam(27-02-16)
- Panavally, Cherthala(28-02-16)
- Sreesankara College Kalady(19-3-2016)

1) GVHSS, Haripad (21/12/2015)

Mrs. Leela Manjooran former faculty of the Department of Economics and Darshana Kudumbasree member Smt Thasneem conducted training classes at GVHSS,Haripad on 21st December 2015. 60 NSS volunteers and 50 student police were given training to make Bhoomitram Sanchi.

2) Kariyad, Nedumbassery (22/01/2016)

As part of the NSS activities of Rajagiri college of Social Sciences,Kalamassery, Dr. Leela Manjooran former faculty of the Department of Economics and Darshana Kudumbasree member Smt Thasneem conducted training classes in Kariyad, Nedumbassery on 22ndJanuary 2016. 15 Kudumbasree members attended the camp.

3) Kondhuruthy, (03/12/15)

4) Holy Family HSS,Cherthala (07/12/2015)

A bhoomitram Sanchi training class was organized in Holy Family HSS,Cherthala in collaboration with the NSS unit of the school on 7th December 2015. The main focus of the program was on capacity building to stitch Bhoomitram Sanchis.

5) Govt College ,TripunithraDr. Nirmala Padmanabhan conducted a training class in Govt College, Tripunithura and Darshana Kudumbasree member Smt Thasneem conducted a traing workshop on stitching Bhoomithram.

6) Marutharode, Palakkad (19/08/2015)

A training programme was arranged for Kudumbasree members of Marutharode Panchayath, in Palakkad district on 19th August, 2015. Aisha Zamiya and Minnu (BMC volunteers) handled the sessions. They stressed the need for reducing plastics carry bags. The Kudumbasree members were also given training for making Bhoomithram Sanchi.

7) Dhanalakshmi Kudumbasree, Nattassery, Kottayam(17/01/2016)

8) Model Technical School, Kaloor (16/01/2016)

9) St. Stephens' College Uzhavoor (30/01/2016)

10) Arukutty Govt. UP School, Mattathil Bhaagam (5/02/2016)

11) Palakuzha Koothattukulam(27-02-16

12) Place:Panavally, Cherthala

Date 28-02-16

Resource Persons:Josephine

Aleena and Parvathy

Audience: 40 ,Local mass

Place: Sreesankara College Kalady

Date: 19th March 2016

Resource Person: Josephine

Participants :BMC members of the College

ACTION

Many action projects were conducted both within the campus and outside.

1) Action Within The Campus included the following

A. Multipronged strategy to promote stitching and usage of Bhoomithram sanchis among students .This included the following :

- Institutionalisation of Bhoomitram Sanchi Project – Organogram
- Distribution of Bhoomitram Sanchi among students
- Bhoomithram Champion – weekly motivation programme
- Launch of space in College Webpage
- Publishing in Whatsapp group

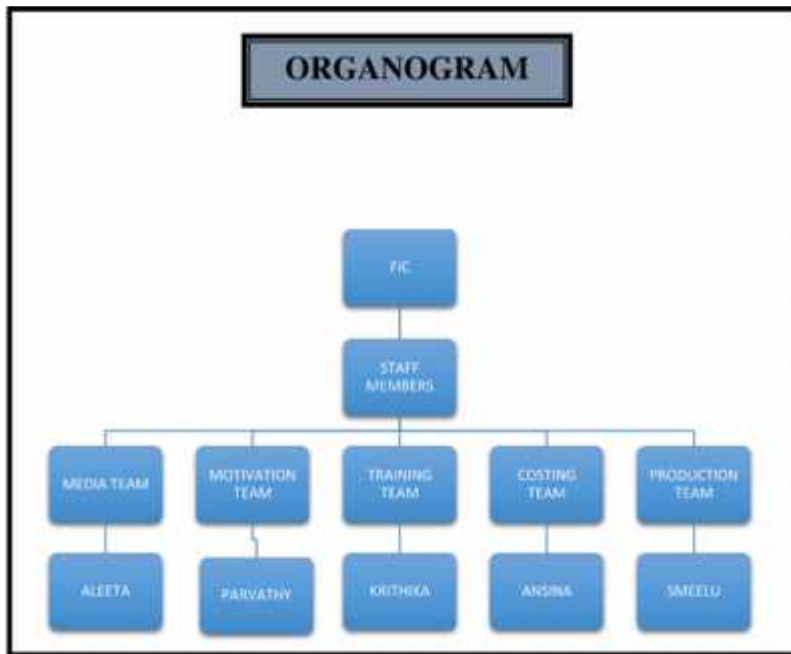
B. Logo Design, Release

- C. Christmas sale
- D. Promoting Green Campus - Plastic-free Student Projects
- E. Youth Meet :Agro Bio Diversity Fest- “Annam 2015”
- F. BEST OF WASTE: TERESIAN WEEK COMPETITION
- G. Voicing concern against ineffective waste management
- H. e-Waste Awareness Seminar , Collection and handing over to corporation
- I. Oath taking by BMC members as part of Swachh bharat mission

A. Multipronged strategy to promote stitching and usage of Bhoomithram sanchis among students

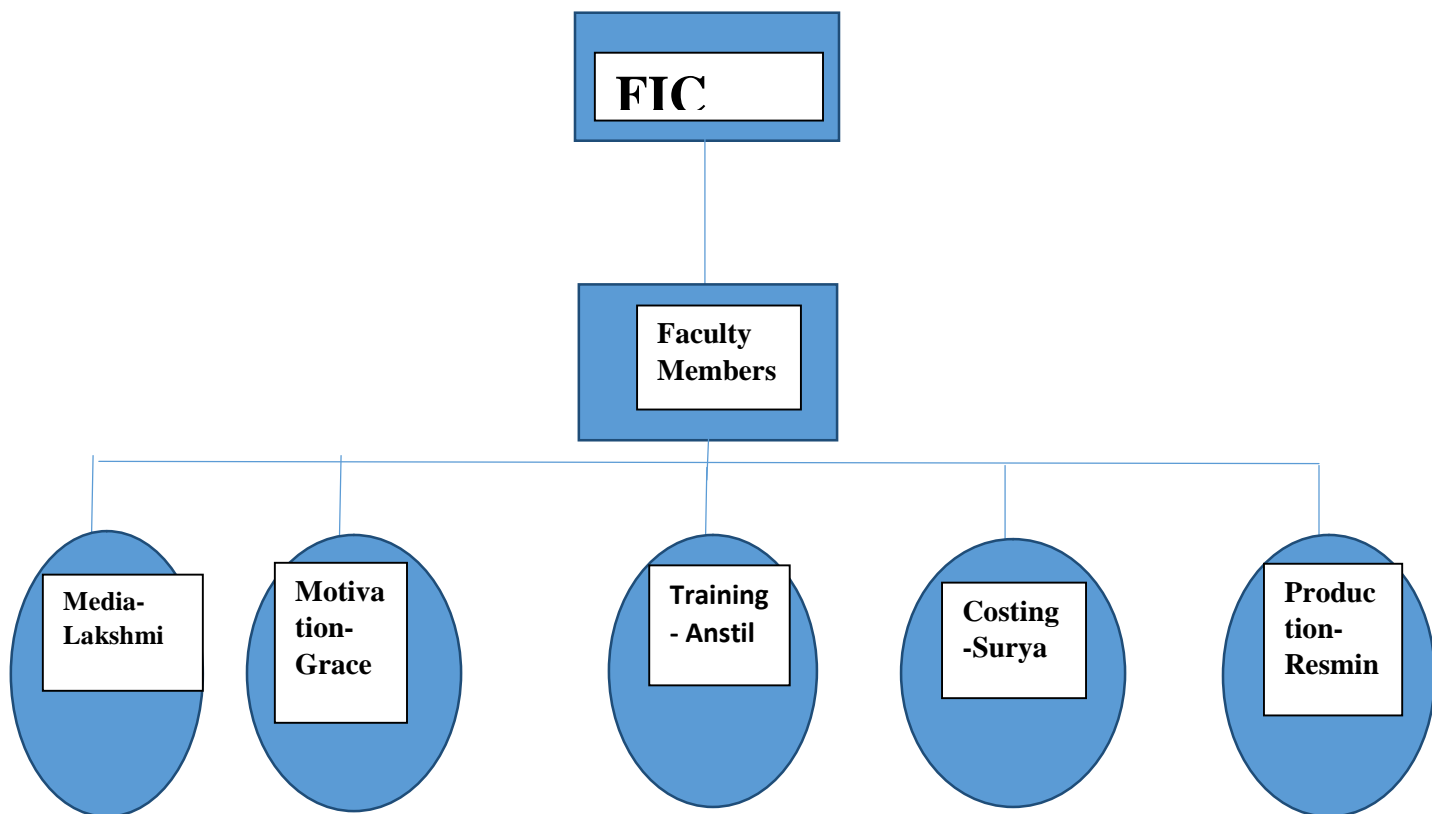
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- **Organogram- Science Block**

An organogram was set up to clarify responsibilities and encourage students to develop a sense of ownership in the Bhoomithram project.



Organogram- Arts Block

ORGANOGRAM



Distribution of Bhoomitram Sanchi among students

Reusable cloth materials were collected from students of Mathematics, Literature, Sociology, History, Commerce, Zoology and Economics Department for stitching BhoomithramSanchis. BMC volunteers-Ms. Mary Smeelu and Ms. Ansina collected the materials from students in the Science block and Lakshmi and Resmin collected materials from the Arts block. The clothes were handed over to Kudumbasree members MrsSameena andMrsThasneem. 370 bags were stitched and distributed to students on 19th August, 2015, 15th January, 2016, 22nd January, 2016 and 10th February, 2016.

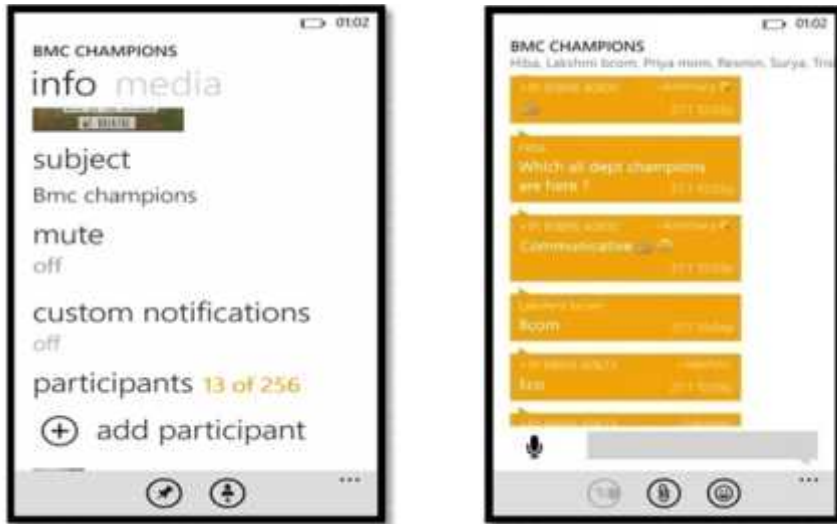
Bhoomithram Champion

Following the basic principle of Behavioural Economics a student is selected and appreciated every week for using Bhoomitram Sanchi by giving her the title Bhoomitram Champion. Her name/ photo is uploaded on the campus Television installed in front with a thank you note for championing the cause. Such pats of recognition, we hope will motivate more people to follow suit

Green action : college web page (7 october, 2015)

Space was provided in college webpage to promote the activities of Bhoomithrasena club and ensure greater reach out

Publishing in Whatsapp group



B. Logo release (October 7, 2015)

A new logo was designed for Bhoomithram sanchi project, the very picture of which we hope will motivate people to use the bag so as to save earth, water and plants. Future bags will carry this pictorial logo instead of the simple one used earlier.



C. CHRISTMAS SALE

On December 9th, as part of the annual christmas sale held in the college, a bhoomithram Sanchi sale was organised. The Sanchis were made from discarded linen collected from Leela Beach resort, Kovalam, Thiruvananthapuram.. This was a pioneering attempt to encourage stalls participating in the sale to use such environment friendly alternatives to plastic carry bags. Through this, the club members could also spread the message about need to reduce plastic among hundreds of alumni members who thronged the campus. The sanchi also captured the attention of the media who covered the event.

D. Promoting Green Campus - Plastic-free Student Projects

The Economics department of St. Teresa's college promotes the greening of the campus by encouraging students to submit plastic free dissertations. Instead of a plastic bound cover students use chart papers and other paper materials to cover their projects.

E. YOUTH MEET: AGRO BIO DIVERSITY FEST- "ANNAM 2015"

In connection with The National Food and Agrobiodiversity Festival "Annam 2015", a Youth Meet was organized on 11th December, 2015. During the meet the Bhoomithram Sanchi designed by the Bhoomithra Sena club was presented to Dr. Vandana Shiva, the famous author and social activist. She was impressed with the project and congratulated the Bhoomithram team for their initiative.

F. BEST OF WASTE: TERESIAN WEEK COMPETITION- November 2015

A unique attempt at incorporating environmental concerns into the Annual Teresian week competitions held every year, was made in response to the request made by BMC club. One of the competitions was best of waste where contestants had to design useful products from various waste articles given to them.

G. Voicing concern against ineffective waste management

Actor Sheela and Janaseva Shisubhavan joins St. Teresas college students to launch a stand-in strike in Kochi against the inability of authorities to implement an effective waste management plan.

H. e-WASTE - AWARENESS AND COLLECTION PROGRAM

On 9th February 2016, Bhoomitra Sena club in association with NSS unit of St. Teresa's college organized an awareness program on the health hazards caused due to E-waste. The program was inaugurated by Adv. Minimol health Standing Chairperson, Cochin Corporation. Kabeer B Haroon, MD Clean Kerala Company Ltd spoke about E-waste and the health hazards caused due to it.

Handing over e-waste to Cochin Corporation-11th February 2016

On 11th February BMC and NSS unit of the college joined hands together with the Cochin Corporation, collected e-waste from the college and handed it over to the Cochin Corporation.

Handing over second batch of e-waste to Cochin Corporation-14th March 2016

I. Oath taking as part of Swachh Bharat Mission

BMC members taking the Swach Bharath pledge on February 10, 2016.

ACTION PROJECTS OUTSIDE THE CAMPUS

A. Participation in public pond cleaning along with District collector Sri. Rajamanikyam(28th February, 2016)

Participants:

1. Anstle George (I DC Economics)

1. Mary Laya(I DC Economics)
2. Thresya Roshmi(I DC Economics)
3. Archana K.s. (I DC Economics)
4. Sruthy P,s. (I DC Economics)
5. Mary Liji(I DC Economics)
6. Anna Geethy K.G.(II Dc Economics)
7. Ancy Sebastian (I DC Sociology)
8. Aquiline Maria T.S. (I DC Sociology)
9. Sneha Frederic(I DC Sociology)

B. Dr. Nirmala Padmanabhan demonstrated Bhoomoithram Sanchi in the World Water and Forest Day Celebrations organized by Kerala Nadee Samrakshana Samithi on 23rd March 2016.

“Ezhazhakilekku Ezhikkara”

The project aims at encouraging households in Ezhikkara Panchayat in Ernakulam district to implement segregation of solid waste and hand over plastic waste for recycling and safe disposal in the place of the practice of burning it, throwing it in soil or disposing into the nearby backwaters. The project which was started last year among 400 households in ward 7 of Ezhikkara Panchayat was extended toward around 390 households in ward 10. BMC members conducted several awareness classes as a part of this project, and consequent to this plastic waste is being segregated by households, collected by Kudumbasree members and handed over to CREDAI Clean City Movement (CCCM) for recycling. The project involves a multipronged strategy consisting of the following

Ezhazhakilekku Ezhikkara Avalokanam –Onnam Ghattham- May 4, 2015

“Ezhazhakilekku Ezhikkara” is a project being implemented by the Bhoomithra Sena Club of St. Teresa’s College under the Paaristhithikam programme targeting households in Ezhikkara Panchayat for creating awareness on effective solid waste management with the participation of educational institutions, Kudumbasree units and other stakeholders in the locality. The project aims to establish a model green ward in Ezhikkara which would practice

good solid management and serve as a motivation for others. Around 180 students from Government H.S.S. Ezhikkara and NSS units of Matha College of Technology and SNGIST were selected as Student Environment Monitors. They were made aware about the hazards of improper solid waste management, need for segregation of waste at source, various decentralised methods of treatment of organic waste etc. The official launching ceremony of the project “Ezhazhakilekku Ezhikkara” was held on 14th February, 2015 at Government LP School, Ezhikkara. The households were briefed about the details of the project and requested to start segregating their solid waste which would be collected once a month by the Kudumbasree workers.

The first evaluation programme of the project “Ezhazhakilekku Ezhikkara” was held on 4th May, 2015 at Govt. Higher Secondary School, Ezhikkara.

The programme started with an awareness class on scientific segregation of wastes by Dr. Abraham Varghese (IMA Cochin). The formal inaugural function started at 3 p.m with a small prayer. Dr. Nirmala Padmanabhan welcomed the gathering and gave a brief description about the project. This was followed by the Presidential address by Sri. C.M Rajagopal, President, Ezhikkara Panchayath. Adv. V.D. Satheeshan, MLA, North Paravoor was the chief guest of the programme. Rev. Dr. Sr. Vinitha, Director, St. Teresa’s College, Ernakulam handed over the recyclable wastes collected by Kudumbasree workers to CREDAI. Residents actively participating in waste segregation were identified by surprise visits and were honored with Bhoomithram Momento. Smt. Poornima Indrajith (Cine artist and Ex-Teresian) presented the awards to the winners.

Felicitations were delivered by Dr. Sajimol Augustine (Principal, St. Teresa’s College, Ernakulam), Sri. K.N. Vinod(Ex. President, Ezhikkara Panchayath), Sri. K. S.Binoy(Member, Block Panchayath),Sr. K.M. Mohanan, Smt. Nisha Sherry Mohanan(Member, Grama Panchayath),Sri. A.C Raju(Regional Director, Y’s Men International). Dr.Leela Manjooran delivered the vote of thanks.

The project was presented before the newly elected local representatives in the Panchayat on January first 2016. Following this a number of discussions were held with ward member Shri E. R.Sunilraj and modalities worked out in Ayal Sabha meetings. Meetings were also held with stakeholder groups and local committees formed for implementing the project. Awareness campaign was launched at the Primary Health centre on 19/01/2016 and 43 Bhoomithra sena club members along with Ayal sabha members conducted house to house awareness campaign among 390 Households in ward 10. A segregation list- Maalinyam Koodikkalaraathirikkanulla Maarga Regha- which lists in Malayalam main items of organic waste and plastic waste which will be accepted for recycling- was distributed to all households and requested to stick in a prominent place.

READY RECKONER ON WASTE SEGREGATION

Gaarhikaavashistangal koodikkalaraathirikkanulla Maarga Rekha.

LAUNCH OF “EZHAKHILEKKU EZHIKKARA” IN WARD 10

“Ezhakhilekku Ezhikkara” project was officially launched in ward 10 by cine- artist Kavya Madhvan on 4th February, 2016.

Collection of Non- biodegradable Waste (05-03-2016)

The first batch of plastic waste from ward 10 and seventh batch from ward 7 were collected on Saturday 5th of March 2016 by Kudumbasree members- Jessy Babu (ward 7) and Gini Shiju, Prasanna Leeladharan, Shemmy Hussian and Ally (ward 10) and handed over to by Credai Clean City Movement.

2) ENERGY CONSERVATION

Second area of activity of St. Teresa’s College has been in promoting energy conservation.

Activities in this area also included the following components

a) **Awareness Programs**

b) **Action**

a) **Awareness Programs**

“The best way of spreading idea of energy conservation is through awareness”

“Urjakiran 2015 -2016”

“Urjakiran 2015-16”, Energy Conservation And Awareness Campaign (ECAC)

Bhoomitra Sena club in collaboration with the Physics department and Energy Management Centre, Kerala started a green initiative “Urjakiran 2015-16” an energy conservation and awareness campaign (ECAC). The project aims to promote the use of LED lamps to save energy.

“Urjakiran 2015 -2016”, an energy conservation and awareness campaign was conducted in the college on 14th January 2016. The program was inaugurated by Hiby Eden, MLA. The event was followed with a seminar by Shri. Eloor Gopinath who is a resource person at energy management center. Handbooks containing tips to reduce energy consumption- prepared by Energy Management centre, Kerala- were distributed to all the participants.

b) ACTION

“Urjakiran 2015 -2016”- Workshop

A workshop on manufacture of LED Bulbs titled ‘Energy Conservation through LED bulbs’ was held by Jael George Mathew and team on 19th January 2016 at St. Teresa’s college.

“Urja-Kiran 2015 -2016”- Training

Seeing newspaper reports of Urja kiran program held in St. Teresa’s College, Urja PTA members of Govt LP school, Arukutty, Cherthala requested assistance in training to facilitate manufacture and distribution of 1000 led bulbs in their locality . The Urja Kiran team organized a capability enhancement training program for the same.