

**BHOOMITRASENA CLUB**  
**ST. TERESA'S COLLEGE (AUTONOMOUS),**  
**ERNAKULAM**



**REPORT OF ACTIVITIES 2022-23**

# Table of Contents

Introduction	1
BMC team 2022-23	3
Major Projects	5
YouKAN Heal Kochi: Promoting Green Protocol among students	5
Global Waste Expo	28
Summer Internship: Promoting SWM in Div 62, Kochi Corporation	33
Kochi Eco Challenge	46
Public Transport Day	49
India Green University Network	49
Beach Cleaning with DoECC under India G20 Presidency	50
Green Protocol	55
Reducing	59
Recycling	64
Upcycling	70
Field visits	73
Outreach	77
Competitions	83
Seminars	87
Other activities	88
Shortlisting for Green Gown International Awards	98

# INTRODUCTION

St. Teresa's College, (Autonomous) is committed to enriching the lives of its students by empowering them. We provide holistic education that enables them to actively participate in community life. Women's education is a crucial factor that contributes to nation-building, and for the past ninety-seven years, we have been educating young women from different strata of our society.

Bhoomitrasena Club in the college (Code No: 107/EKM/05/10), formed with support from the Directorate of Environment and Climate Change, Government of Kerala, aims at grooming environmentally conscious and socially responsive young women who will value the bounties of nature and strive to preserve them.

Over the years, the Bhoomitrasena Club of the college has contributed to being the custodians of environmental protection, waste management or water conservation. Since its inception, the club has strived towards achieving its goals, apparent from the successful execution of its many projects. From the PK3 Project, Threads of Change Upcycling Project to Bhoomitrasena Bags and being brand ambassadors of eco-friendly products, Save Our Future Campaign, the club has poured its love and devotion to each and every project. The college has had a rich history of promoting eco consciousness with the enactment of the Green Protocol in the campus in 2016. The green activities of the college have won many accolades. The awards and recognitions received are as follows:

- Paristhithi Mithra Award - 2021 instituted by CEERD, St. Stephen's College, Uzhavoor.
- Best Bhoomitrasena Club award amongst the colleges in Central Kerala for the year 2020-21 from the Department of Environment and Climate Change, Government of Kerala.
- Second Place winner for the Paristhithi Mithra Award - 2020 instituted by CEERD, St. Stephen's College, Uzhavoor.
- Global Environment Project Award instituted by World Malayalee Council in 2018.
- Best Bhoomitrasena Club award amongst the colleges in Central Kerala for the year

2016 - 17 from the Department of Environment and Climate Change, Government of Kerala.

- Suchitwa Haritha award instituted by Mithradham and Rajagiri, Rajagiri College of Social Sciences, Sahrudaya Services and Charities and Cochin Shipyard in 2015-16.
- Paristhithi Mithra award instituted by CEERD, St. Stephen's College, Uzhavoor in 2016.
- Second Best Bhoomitrasena Club in Central Kerala from the Department of Environment and Climate Change, Govt of Kerala in 2012.



*1: Receiving Paristhithi Mithra Award 2021 instituted by CEERD, St. Stephen's College, Uzhavoor*



*2: With other institutional and individual winners of Paristhithi Mithra award*



## BMC Team 2022-23

The Teresian Bhoomithrasena team was headed by the Dean of Extension Activities Professor (Dr.) Nirmala Padmanabhan and was guided by Sri Joshy Varghese, Coordinator of Extension and Outreach. The following faculty members were part of the team:

Linda Therese Luiz	Dept. of Sociology (Faculty-in-charge)
Neenu Susan Paul	Dept. of Mathematics (Faculty-in-charge)
Dr. Jisha John	Dept. of English
Merin Alice George	Dept. of Botany
Dona Pius	Dept. of Economics
Felcina D'cruz	Dept. of Communicative English
Sarilekshmi R.	Dept. of Communicative English
Anjaly Muralidharan	Dept. of Computer Applications
Veena Antony	Dept. of Computer Applications
Elizabeth Paul	Dept. of Computer Applications
Praseetha M.S.	Dept. of Management Studies
Gayathri R	Dept. of Zoology

There were a number of teams working within the Bhoomithrasena club:

Name of BMC team	Teachers in charge	Student leaders	Department
College Green Protocol Team	Anjaly Muralidharan Sarilekshmi R. Dona Pius	Jyotilakshmi S Babu Devika Menon Mary Aleena Arthi Rajpurohit	III BA Economics II BCom II BA Economics II BA History
Collector's Club (recycling team)	Dona Pius	Arthi Rajpurohit Pooja Rajpurohit Mary Aleena	II BA History II BA History II BA Economics
YouKAN Heal Kochi (in collaboration with the Kochi Municipal Corp and GIZ)	Neenu Susan Paul Elizabeth Paul	Sreya Lakshmi Neha Latheef Meem	II BMS I BMS II BVoc

	Praseetha M.S.		
Kochi Eco Challenge (with the Kochi Municipal Corpn)	Elizabeth Paul Dona Pius	-	-
India Green University Network (IGUN) and other national / international collaborations	Dr. Jisha John	Anna Nicholas Kriti Jignesh Shah Amala Anil Devika Menon	III BCom III BCom II BA Economics II BCom
Summer internship in Division 62 (in association with Kochi Municipal Corpn and Suchitwa Mission)	Linda Therese Luiz Dona Pius Veena Antony	Aleena George Aleena Biyatrees Aiswarya Sreekutty	III BA Sociology III BA Sociology III BA Sociology
Reporting and social media team	Felcina D'cruz Gayathri R	Amala Anil Krishna PC Sameera Usman	II BA Economics II BA Economics II BA English
BMC website	Veena Antony	-	-
BMC accounts	Neenu Susan Paul	-	-
Karshakasree Challenge	Merin Alice George	-	-

The following report encompasses the activities initiated by the Bhoomithrasena club of St Teresa's College in the academic year 2022-23.

## MAJOR PROJECTS

### YouKAN Heal Kochi – Promoting Green Protocol among students



**YO****KAN HEAL**

KOCHI

AN INITIATIVE OF EDUCATIONAL INSTITUTIONS OF  
KOCHI IN COLLABORATION WITH KOCHI MUNICIPAL  
CORPORATION

# P R O J E C T O V E R V I E W

<b>YouKanHeal Project</b>	By Kochi Corporation
<b>Support</b>	GIZ
<b>Implementation</b>	All educational institutions
<b>Monitoring</b>	Advisory Council
<b>Patron</b>	Honourable Mayor KMC
<b>Chairman</b>	Educational Standing Committee Chairman KMC
<b>Convener</b>	Secretary KMC
<b>Members of the Advisory Council</b>	1. Govt Law College 2. Maharajah's College 3. Sacred Heart College 4. St. Albert's College 5. St. Teresa's College 6. Cochin College 7. Ernakulam Girls HSS 8. Vennala HSS 9. Bheavans Vidya Mandir, Elammakkara 10. SDPY School, Palluruthy
<b>Coordinating Agency</b>	St. Teresa's College
<b>Co-ordinating Institutions</b>	The Cochin College & Ernakulam Law College

## Partner Institutions

1. CKC HS	Ponnurunni
2. CKC LP	Ponnurunni
3. St. Ritas	Ponnurunni
4. SN HSS	Thrikkanavattom
5. St. Thomas	Perumanoor
6. Govt Girls HSS	Ernakulam
7. Bhavans Vidya Mandir	Elamakkara
8. Govt VHSC School	North Edappally
9. Govt HSS	North Edappally
10. Govt Model School	Kaloor
11. Govt Schoolly	Edappally
12. St. Alberts College	Ernakulam
13. St. Antony's School	Kacheripady
14. St. Teresa's School	Ernakulam
15. Govt Higher Secondary School	Vennala
16. CCPLM HS	Perumanoor
17. CCPLM HSS	Perumanoor
18. Sacred Heart School	Thevara
19. Sacred Heart College	Thevara
20. St Augustine School	Kaloor
21. Our Lady's School	Thoppumpady
22. Govt Maharajas College	Ernakulam
23. Govt School	Elamakkara
24. SRV Boys School	Ernakulam
25. Govt Girls HS	Ernakulam

St. Teresa's College

1. SDPYM, VHSC	Palluruthy
2. SDPYM, HSS	Palluruthy
3. SDPYM, UP	Palluruthy
4. SDPYM, LP	Palluruthy
5. SDPYM	Palluruthy
6. EMOHSS	Fort Kochi Veli
7. GGHSS	Mattancherry
8. GHSS	Central Calavathy
9. GHS	Panayapilly
10. ST. Mary's HS	Fort Kochi
11. Fathima GHS	Fort Kochi
12. John De Britto AIHS	Fort Kochi
13. TDHS	Mattancherry
14. Fr. Augustino Vicini's SPL School	Fort Kochi
15. St. Louis, HS	Mundamveli
16. MMOVHSS	Panayapilly

Cochin College





Youth of Kochi: All for Nature (YouKAN) is a part of the HEAL project of Kochi Municipal Corporation for mobilising youth collective for behavioral change to reduce single use plastics (SUPs) in Kochi. HEAL (Health, Environment, Agriculture and Livelihood) is the flagship project of Kochi Corporation. Through this the Corporation aims to create a healthy city and healthy people through the promotion of better waste management and organic farming in urban areas. This multi-level development project also seeks to generate livelihoods for people in the city, especially Kudumbashree women and various vulnerable groups. Another primary focus of the project is protection of the environment. Through multiple interconnected programs, the HEAL project also aims to beautify the city. The Corporation has already allotted funds for the project in its budget. HEAL will be implemented in connection with various stakeholders in the city, including individuals, educational institutions and religious institutions.

Kochi Municipal Corporation, GIZ, C-HED and St. Teresa's College together have initiated a project in alignment with the LiFE project of Govt. of India, which aims at mobilizing youth for reduction of single use plastics and promotion of sustainable practices/ecofriendly alternatives. This venture strives to effect solutions to the serious environmental crisis posed by plastic waste also leading to pollution of marine waters. The proactive involvement of children and youth is a critical step required in moulding an environmentally responsible future generation. Imbibing and adopting sustainable practices as part of the daily lifestyle/ routine is expected to lead to embedded behavioral changes in children. The entire task force of children and youth will be brought under the umbrella of the Cochin Corporation for collective action. Students will get an opportunity to claim collective ownership in actions taken towards environmental protection as they partner and work along with the Local Government

**Objectives:**

- To promote eco-friendly alternatives and reduce single use plastics entering the environment and backwaters/ocean in Kochi.
- To promote reuse of materials.
- To design and implement sustainable habits/ practices in daily routine.
- To onboard all educational institutions in HEAL project initiated by the Cochin Corporation specially with respect to implementing Green protocol for reduction of SUPs

- To give collective ownership to children and youth in promoting environment sustainability in Kochi.

**The college secured a project from German Development Cooperation GIZ Office, New Delhi for Youkan Heal for mobilising youth in Kochi to reduce plastic waste. The project amounts to Rs.6. 35 lakhs will be implemented under the guidance of Kochi Mayor and Corporation.**

The team members were Professor Nirmala Padmanabhan, Neenu Susan Paul, Linda Luiz, Praseetha MS, Elizabeth Paul and their student teams and our community coordinator Joshi which made this possible.

As part of this, a meeting was held on 23 August 2022 with executives of the Cochin SMART Mission Limited to consider the possibility of developing a dashboard to track the progress of the project. Following up on this, faculty members Elizabeth Paul and Praseetha MS visited the office of CSML at IC4, Jawaharlal Nehru Stadium metro station on 15 September 2022 and viewed the existing dashboards.

Another online meeting was held on 20 September 2022. The members who attended the meeting were Anoop Sir of IC4, Dr. Nirmala Padmanabhan, Mr. Joshy Varghese, Raji Saj (HOD, computer application), Elizabeth Paul and Praseetha MS. Mr. Anoop suggested at least post-graduate students with good technical knowledge in java are required for the development of our dashboard. Major challenges we would face for and after developing a dashboard:

1. Select what entries are required in each challenge.

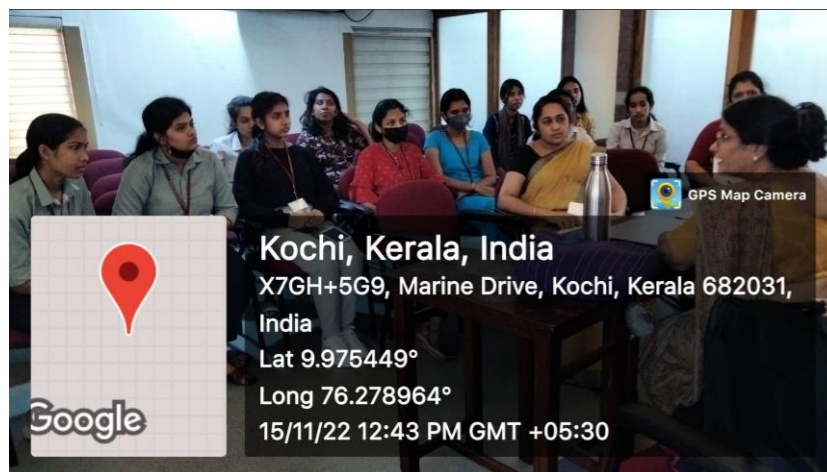
(For new challenges, different new entries would be needed and so new forms for each new challenge need to be developed further)

2. Project monitoring and maintenance need extra manpower and that user should be technically skilled.

Out of these risks, Anoop sir has requested to utilize a third party (say a startup company) for the development of our dashboard.

In a further meeting on 15 November 2022, the following points were discussed:

- Give awareness to the student team (6 students from computer applications and DMSs) about the project titled "YouKan Heal".
- Duties and responsibilities of each team (staff team, students team, coordinator team, etc.)
- Launch of YouKan Heal (tentative date)
- Events should be conducted on that day
- Logo for YouKan Heal (competition among students and finding a winner)
- Finance or budget discussions.



*1: YouKAN Heal team meeting on 15 November 2022*

Main Coordinators and Core Faculty members – Dr. Nirmala Padmanabhan, Joshy Varghese, Neenu Susan Paul, Elizabeth Paul and Praseetha M.S. 12 student volunteers - Reshmi, Jenny, Meem, Sradha, Rosemary, Ann, Kavya, Nikita, Sreya Bridgit, Nima, Sreya Lakshmi and Neha Latheef. Following this, a meeting of the college team with officials of the Kochi Corporation was held on 19 November 2022



2: Meetings of college YouKAN Heal team with officials of the Kochi Corporation on 19 and 29 November 2022



3: Meeting of YouKAN Heal STC team with Mayor of Kochi Corporation on 13 January 2023

A google form was created and circulated to gather data regarding sustainable practices surrounding use of cloth bags and menstrual cups or other hygiene products.

## TEAM FORMATION AND STRATEGY DEVELOPMENT

A meeting was conducted on the 10th of February at the Kochi Corporation in order to form the advisory council for the YOU KAN HEAL project. The Hon Mayor of Kochi Corporation is the Patron and the Educational Standing Committee Chairman



is the Head of the advisory council. Representatives from the educational institutions form the members of the group.



*3: Meeting of YouKAN Heal team with officials of GIZ and the Kochi Corporation*

- The logo and mascot of YOU KAN HEAL project and its challenges were discussed in detail in the council.
- An online meeting was conducted on the 15th of March with the advisory council members. The main aim was to discuss activities for the months of March and April under YOUKAN HEAL project, discuss the solutions to reduce plastics in the wake of Kochi's Brahmapuram fire incident and brainstorming innovative ideas of waste management through school children and youth.
- On the 5th of May, 2023 the advisory council came together for an online meeting to discuss the 'World Environment Day' celebrations to be conducted across all educational institutions on the 5th of June, 2023 with the theme of "Reduction of the Use of Plastics and Proper Waste Disposal".

## PROJECT LAUNCH AND LOGO RELEASE

On the 1st of March, '23 the You KAN HEAL project was officially launched by Adv. M Anil Kumar, Mayor of Cochin Corporation, at St. Teresa's College. He also released the logo of YOU KAN HEAL during the event.

- The launching of website and dashboard was carried out by Mr. V A Sreejith, Educational Standing Committee Chairman. M. Babu Abdul Khadeer, IRPS,

Secretary, Kochi Municipal Corporation, Neena Kumari of Government Law College Ernakulam and Susheela Gopinathan of Bhavan's Vidya Mandir Elamakkara felicitated the gathering. Teachers and students from more than 30 educational institutions across Kochi Corporation participated in the event and made it a grand success.



*4: Logo of the YouKAN Heal Kochi project*



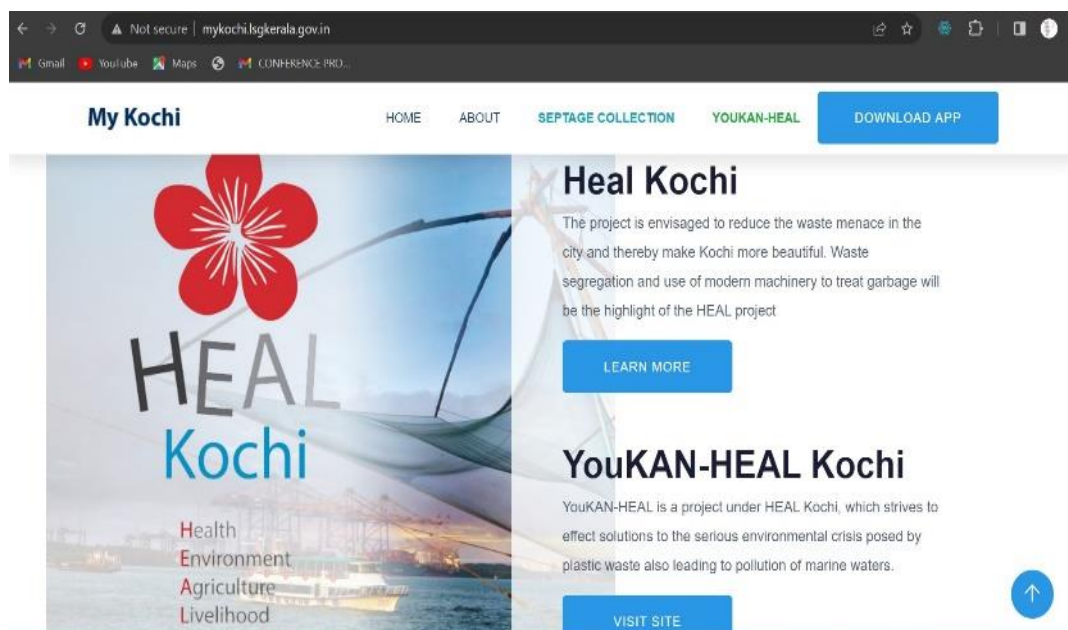
*5: Mayor speaking at the launch of the YouKAN Heal project*



6: Audience from various educational institutions in the Corporation area at the launch of the YouKAN Heal project

### YOUKANHEAL DASHBOARD

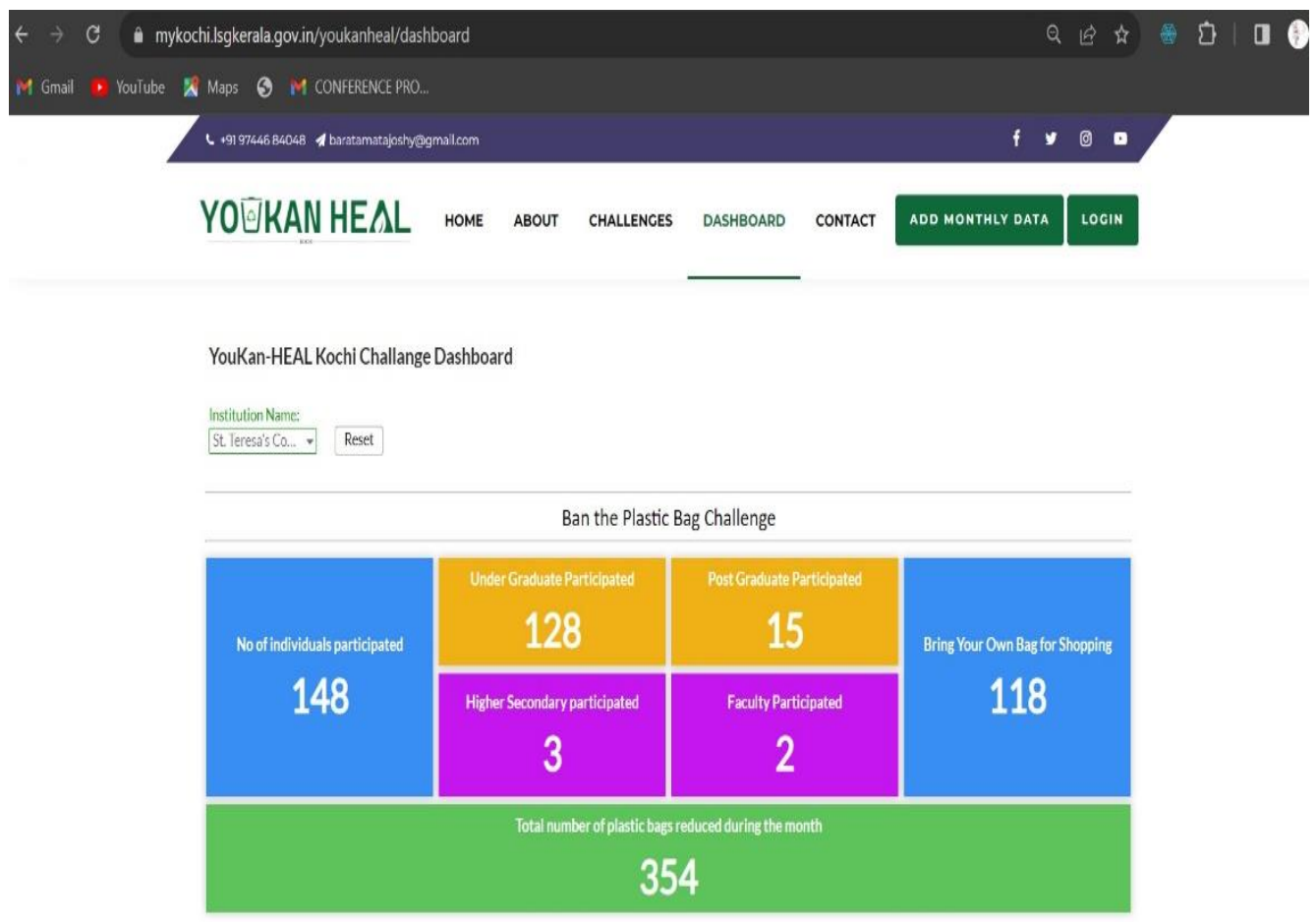
YOUKANHEAL is a website or submodule that belongs to the MyKochi Application of Kochi Corporation. It was developed by the corporation with inputs from the Bhoomithra Sena Club team of St. Teresa's College. It pioneers in trying to quantify the reduction of single use plastics in Kochi.



5: YouKAN-HEAL - a website in MyKochi Application of Kochi Corporation



The Youkan-Heal Kochi website facilitates users or viewers to view the quantum of single-use plastics reduced in Kochi Corporation on a monthly basis. The participants of this project are the students of educational institutions in the corporation area. Each participant educational institution who will be given a login id will assign a minimum of three student ambassadors and two faculty coordinators to monitor their entries. They would become the basic level of scrutinizers. After that, the administrators of the app would have the last level of scrutiny. As of now, the administrators are the student ambassadors and the faculty coordinators from St. Teresa's College (Autonomous), Ernakulam.

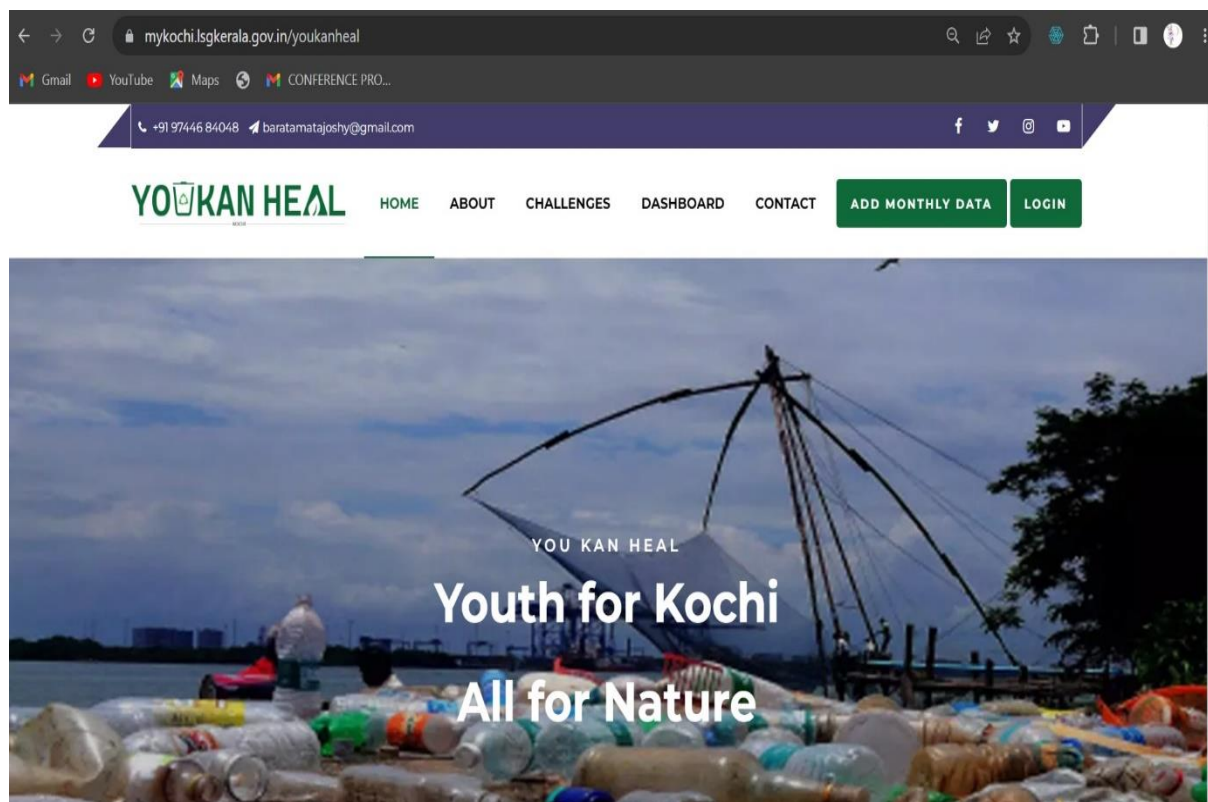


6: YouKAN Heal Dashboard

The website facilitates quantification of single-use plastics reduced per month in Kochi Corporation by the student body of all enrolled educational institutions. To implement this initiative, the Youkan Heal project will have many activities that will be undertaken by the entire student community of Kochi to promote the Green Protocol like Ban the Bag Challenge, Green functions within and outside the campus premises, Sustainable Menstruation Challenge etc. All these challenges could be available as modules in the dashboard as well.

## Initial Page of Dashboard

The design and the web pages of the project were developed in first phase of YouKAN Heal project covering November 2022 to May 2023. The Webpage comprised of five major tabs or webpages. They are Home page, About page, Challenges page, Dashboard page, and Contact page. These pages include the details regarding the project. Two buttons can also be seen which say “Add Monthly Data” and “Login”.



7: YouKAN Heal Kochi main page

## About Login page

The login page is developed exclusively for the student ambassadors and the faculty coordinators of each educational institution to enroll their students who are willing to participate in each challenge. The login credentials for the student ambassadors and the faculty coordinators of all the educational institutions will be created by the admin and then will be shared via mail. Thus, the provision for logging into the website will be available.



*8: Login Option for Each participant Educational Institution*

### **About the Add Monthly Data page**

This is the page for entering the challenge data by the participants. After their enrolment by the ambassadors or faculty coordinators, participants would get a mail from the YouKan Heal Kochi website, telling them that the student is enrolled in this particular challenge. Then they can click on the given link to enter the monthly data per participant. Or else they could login using their credentials by clicking on this “Add Monthly Data” button. This data would be reflected on the Dashboard webpage.

As of now a single module has been developed and piloted – relating to “Ban the Bag Challenge”. This is the challenge that mainly quantifies the number of single-use plastic carry bag reduction per shopping every month. The participants can enter the details either by the end of each month or in the first week of the immediate subsequent month. These participants need to participate every month so that quantification becomes more precise.

### **Admin role, Ambassador’s role, and Faculty coordinator’s role**

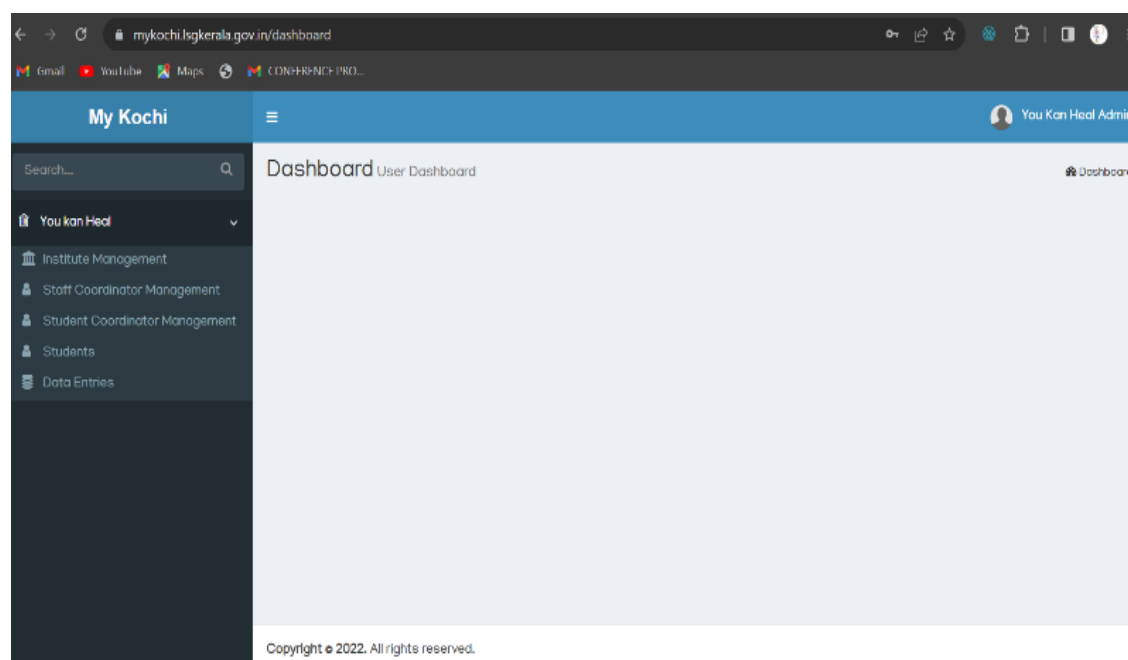
Admin’s work is as a back-end user. They are the last level of scrutinizers.

#### *Job roles of Admin*

- ✓ Create all the partner institutions and add them.
- ✓ Create the Admin level faculty coordinators as well as student ambassadors.
- ✓ Create and add all the faculty coordinators from the partner institutions

- ✓ Create and add all the student ambassadors from the partner institutions.
- ✓ Share the login credentials with the faculty coordinators as well as student ambassadors of the partner institutions.

To get details regarding the faculty coordinators and the student ambassadors, the admin institution circulated a Google form which comprised of a number of relevant questions.



9: YouKAN Heal Admin page

### Faculty Coordinator or Student Ambassador's Responsibilities

- Create a Google form that gives the basic details about the participants by each partner institution (The template format will be provided by the Admin institution).
- Circulate the Google form among students.
- Download the responses as .CSV extension files.

### Steps for enrolling the students as participants

1. Log in to the YouKan Heal Kochi application with the login credentials shared by the admin.
2. Click on the “Student Management” tab on the left side.
3. Upload the CSV file by clicking the “Upload Student List” button.
4. Click on the “Dashboard” tab on the left side
5. Click the “Send Mail to Students” button.
6. Students would receive a mail from Youkan Heal with login credentials and a link to the challenge titled “Ban the Bag”
7. Log Out from the account.

*10: Page for enrolling participants*

### Instructions to the Participants

- Check your mail.
- A link to fill out the “Ban the Bag” Challenge will be available in the mail.
- Click on the link to fill out the Ban the Bag form.
- The participants could also use the website to join the challenge as shown below.

*11: :YouKAN Heal Kochi challenge data entry page*

<https://mykochi.lsgkerala.gov.in/youkanheal> > Add Monthly Data > Login by entering Email id as username and mobile number as password > Fill in the data of the Ban the Bag challenge.

## Project YouKAN Heal: ACTIONS UNDERTAKEN

An Interaction with Hon Minister Shri M.B Rajesh, LS GD, Govt of Kerala

The meeting was held on the 20th April, 2023 at the Rajiv Gandhi Indoor Stadium with the purpose of understanding the various options and opinions around solid waste management and the new initiatives that can be taken up by the youth to reduce, reuse and recycle plastics.



7: News clipping on interaction of YouKAN Heal team with Mayor and LS GD Minister MB Rajesh

## Sensitisation Programmes

*Human Chain and Pledge to reduce plastics at Park Avenue Road, on March 28th* Around two thousand students came together to form a human chain with the motto of 'WE can HEAL Kochi' starting from Ernakulam's Menaka to Gandhi Square in collaboration with other educational institutions along with the Kochi Municipal Corporation, Ernakulam residence associations and Kochi City police. Representatives from these institutions led the participants in taking an oath to reduce,

reuse and recycle plastics in the event of safeguarding our vast bio diversity and natural resources.



8: Kochi Mayor along with faculty and students of educational institutions in Kochi taking pledge at the human chain organised on 28 March 2023

### Adoption of division 62 and sensitisation

The BhoomitraSena Club of St. Teresa's College organised a summer internship in May 2023 for the Kochi Municipal Corporation (KMC) and Kerala State Suchitwa Mission under the YouKAN HEAL project. The objective of the internship was to promote eco-friendly alternatives and reduce single use plastics entering the environment and backwaters/ocean in Kochi through effective municipal solid waste segregation and responsible disposal. Division 62 of Kochi Corporation was adopted to make it a model division in terms of providing awareness for effective waste management. 31 students were part of this summer internship which was conducted in two phases. Apart from undertaking a survey on waste management, awareness on waste segregation and proper waste disposal was also carried out by the interns during this period.



9: Interns sensitising residents on division 62 on waste segregation





10: Interns presenting a flash mob at boat jetty

## PTA Meetings

### *Ernakulam district PTA Presidents 'meeting, St. Albert School, 26th May, 2023*

The Honourable Mayor of Kochi Corporation called for a meeting with all the PTA presidents from schools across Kochi Corporation at St. Alberts School, Ernakulam on the 26th of May, 2023. In the wake of Brahmapuram fire, the Mayor highlighted the need to reduce the use of plastics especially single use plastics and encouraged the PTA presidents to take up initiatives following the green protocol. The Mayor sensitised the gathering on the importance of involving students and teaching them young to bring about a behavioural change and sought their participation and efforts in joining the YOU KAN HEAL campaign. The gathering was encouraged to take up an activity against plastic on the world environment day on the 5th of June, 2023.



*11: Ernakulam district PTA Presidents' meeting held at St. Albert School, 26th May, 2023*

### **Hon. Mayor of Kochi corporation and Principals' meeting at Town Hall, Ernakulam**

The Honourable Mayor of Kochi Corporation called for a meeting with all the principals from schools across Kochi Corporation at Ernakulam Town Hall on the 26th of May, 2023 which was attended by the Mr. V.A Sreejith, Educational Standing

Committee Chairman, DEO from Ernakulam and members from Suchitwa mission. The Mayor brought their attention to the various challenges in the effort to reduce single use plastics and take up activities that will bring about a sustainable behavioural change by involving the youth and children from the educational institutions. The YOU KAN Heal challenges were discussed in the gathering and the schools were encouraged to take up these to reduce the use of plastic bags and take up cloth bags and encourage nature friendly sustainable menstrual practices and activities following the green protocol. The idea is to establish Heal campuses. Awards and accolades shall be given to the campuses that come forward and take up innovative activities in the area of reducing plastic.





*12: Hon. Mayor of Kochi corporation and Principals meeting at Town Hall, Ernakulam on 26 May 2023*

## **Green Functions**

• ‘Green Protocol’ Function at St. Joseph’s Church, Thevara on the occasion of St. Joseph’s Day on March 19<sup>th</sup> 2023, the Vicar of Sacred Heart Church, Thevara, with the support of the parishioners, implemented the green protocol challenge. Food and drinking water were given in steel utensils to around ten thousand people and the food waste generated was sent to the Pig farms making it a zero waste event.



*13: Green Protocol being followed at St. Joseph's Church Thevara on 19 March 2023*

### •Founders Day Celebration

The Founder's day celebration at St. Teresa's college was celebrated as per the green protocol where no form of plastic was used, either in the decor, or while serving food. It was a green event carried out in a sustainable manner.



*14: Green Protocol followed at Founder's Day celebrations at St. Teresa's College*



## GLOBAL WASTE EXPO

As part of the initiative to attain zero waste status, the state organized a global expo on waste management and technologies, 'GEX Kerala-23', at Marine Drive from February 4 to 6. The event was organized by Suchitwa Mission for the local self-government. The primary aim of the expo was to show the latest technologies, machineries and ideas in the field of waste management from within India and abroad. Representatives from all local self-government bodies of Kerala participated in the expo to understand and implement the modern and scientific methods in the field of waste management. The conclave was the largest learning, exhibition and discussion forum organized in the state related to waste management. St. Teresa's college was selected as the Green Partner for the event. 50 students from college volunteered for the event.

### Bicycle Rally

As an announcement of the event to the public, a bicycle rally was planned on January 29 2023 (Sunday) at 7 am starting from Durbar Hall to Marine Drive. Bicycles and refreshments were provided at the venue.



15: Volunteers at bicycle rally



## Flash mob

On 3<sup>rd</sup> February at 5 PM, 23 students from various departments participated in a flash mob to announce the event at Marine Drive



*16: Student volunteers performing flash mob at Marine Drive to announce Global Expo*

Students also worked as interns under the Kerala Institute of Entrepreneurship Development (KIED) to source successful entrepreneurs to the event to set up their stalls. In the expo, 50 students from the college volunteered wearing a sash made from tailoring waste. The identification sash lent a strong upcycling message at the Expo. This was ideated by Dr. Lekha Srinivasan, Head of women study Centre department. The team of volunteers team was led by the faculties Mrs. Lekshmi and Mrs. Gayathri R.



*17: Green volunteers at Expo wearing sash made from tailoring waste with LSGD Minister MB Rajesh*

The students and teachers of the Women's Study Centre of St. Teresa's also prepared two installations for the Expo using waste materials, which was yet another attraction.



*18: Installation at the Global Expo made from waste materials: 'The Bird Nest'*

### **Installation 1: 'The Bird nest'**

This installation is a symbol of our deteriorating environment. The mother bird is feeding plastic waste to the baby birds in the nest. The installation also had a selfie point at the hollow area of the mother bird's face. Selfies taken here are to convey that we too are responsible for this situation and that mankind itself is moving towards this disastrous condition. The nest itself is placed on the base of a cut tree. This conveys deforestation and the scarcity of food that may come in future. The material used to create this installation were plastic bottles, thermocol, plastic covers and big drinking water plastic containers.



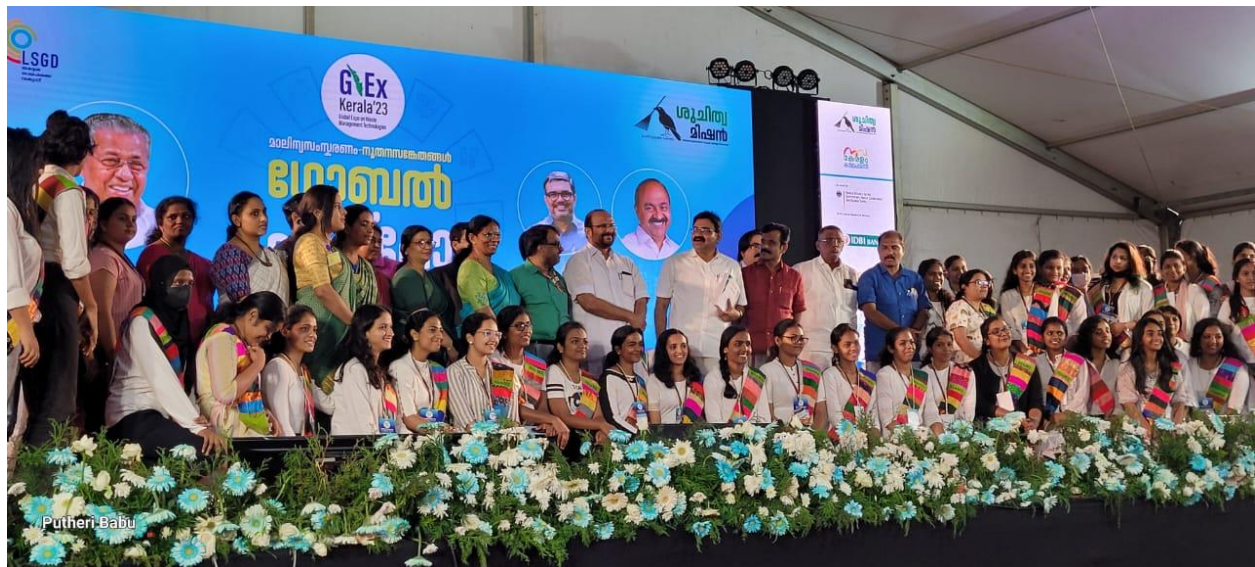
*22: Installation at the Global Expo made from waste materials: 'Are we drinking water or poop'*

### **Installation 2: 'Are we drinking water or poop'**

The second installation, in which we created a big tap with polluted water depicted water pollution and the menace of plastic, especially plastic bottles and other plastics that clogged our waterways. Waste pipes and plastic covers were used for this installation.

St Teresa's college was honored for their exceptional effort for the success of Global expo G-Ex '23 organized by Kerala Suchitwa mission. Kochi mayor Adv Anil Kumar handed over the memento to the green partner of the Expo G-Ex '23, St Teresa's College team, headed by Principal Dr Alphonsa Vijaya Joseph. As the green partner, the college popularized the expo by conducting various events to the public. Around 60 students from various departments took part in a cycle rally and Flash mob organized by the college under Kerala Suchitwa Mission.





*19: College team being honored for contributions to Global Expo by Kochi Mayor*

## **SUMMER INTERNSHIP: Promoting SWM in Division 62 of Kochi Corporation with the support of the Kerala State Suchitwa Mission**

The Bhoomitrasena Club of St Teresa's College organised a summer internship in May 2023 for the Kochi Municipal Corporation (KMC) and Kerala State Suchitwa Mission. The objective of the internship is to promote eco-friendly alternatives and reduce single use plastics entering the environment and backwaters/ocean in Kochi through effective municipal solid waste segregation and responsible disposal. This internship comes under the YouKAN HEAL project. As part of the internship, the Bhoomithra Sena of St. Teresa's College adopted Division 62 of Kochi Corporation to make it a model division in terms of how it manages the waste. Twelve students joined the first leg of the internship. They were divided into groups of 2 members each.

### **Name of the participants**

1. Priscilla Martin-I BA Communicative English
2. Amina Parvin E A-I BA Economics
3. Niranjana Pradeep-II BA Economics
4. Aleena George-III BA Sociology
5. Aiswarya Sreekutty-II BA Sociology
6. Malavika P Menon-I BVoc. SWD
7. Sraddha V Sudheesh- I BVoc. SWD
8. Archana C R-I BSC Home Science
9. Venessa Leslie-I BSC Botany
10. Ashly Mathew-I BSC Nutrition and Dietetics
11. Aleena Biyatrees
12. Jisna Selin A G
13. Athira K

### **Training Session**

**Date: 06/05/2023**

Time: 10 am

Venue: Library AV Room, St Teresa's College Arts Block



The internship started with an ice-breaking session of all the interns at 9.30 AM. The Councillor of Division 62 Ms Padmaja S. Menon addressed the interns and gave them an idea about the profile of the division. This was followed by a training session led by Ms Suhana R.H, project assistant, Kerala State Suchitwa Mission. (Students who were unable to attend the training attended another training session on Monday the 8th of May at Kaloor and then joined in the fieldwork). The training included a detailed description of the waste management practices adopted for both biodegradable and non-biodegradable waste within the Kochi Corporation area. Ms. Suhana suggested that the interns could carry out a variety of activities for spreading awareness about waste management in the division, including:

- Beautification of dump sites so as to prevent further dumping of waste
- Adopting a road as a model road
- Placing plants at walls that would otherwise be used as dump sites
- Community clean-up drive



*20: Interns attending the training*



*21: Councillor Padmaja S. Menon addressing the interns at the training*

## Week 1: 8/05/2023-13/05/2023

The students started going to the field from 8/05/2023. The interns were allocated different roads and started door-to-door campaigning in the allotted areas. At each household or establishment that they visited, the interns took a survey of waste management practices being followed. The interns also distributed leaflets prepared by the Corporation to spread awareness about the ideal ways to segregate biodegradable and non-biodegradable waste.



22: Interns conducting survey and sensitising residents and shopkeepers in Division 62



23: Leaflets giving instructions about waste segregation and management

The roads surveyed by students on the first week include MG Road, TD Road, Chittoor Road, Park Avenue Road, Cannon shed road and PT Usha Road. The major difficulty found in these areas is that the

corporation were not taking the plastic waste and some agencies, especially the shops, were not willing to reveal the name of the agency who takes the waste.

## **REVIEW MEETING**

**Date: 15.05.2023**

Time: 11 am

Platform: Google Meet

A review meeting of the activities of one week was conducted through google meet. Mr. Ameer Sha, Head of PMU Suchitwa Mission, Ms Suhana R H, project assistant, Kerala State Suchitwa Mission, Ms Linda Luiz, Ms Dona Pius and the interns attended the meeting. The interns talked about the different difficulties they faced while interacting with the people and various solutions on how to solve the identified problems were also discussed. The major points that came up were as follows:

<b>Issue raised</b>	<b>Solutions suggested</b>
Citizens were not aware of which agency was to pick up different kinds of waste	This could be remedied by preparing and sharing a list of service providers working in the division. The primary contact person is to be the Junior Health Inspector and the division councillor
In some areas, the waste collection vehicles would get full of waste very quickly and therefore would not be able to pick up any more waste	This matter needs to be reported to the concerned authorities and the frequency of waste collection could be increased or greater number of vehicles could be deployed in the division
A citizen reported an issue faced in the picking up of menstrual hygiene products	The contact details of the assigned agency, Mercantile Limited (Aakri app) are to be shared with consumers.
The fees being charged for collection of menstrual waste products (Rs.50/- for a pickup) is too much	The fees charged for picking up waste is officially decided and is reasonable, and less than that which is charged in other local bodies in Kerala; addressing this also involves the need to

	sustainable menstrual hygiene products including menstrual cups and cloth pads
<p>The corporation does not collect waste properly</p> <p>At times even though user fees are paid waste is not collected</p> <p>Waste is picked up from VIP areas regularly but not from other areas</p>	<p>This is often because waste is not properly segregated. Mixed waste is not being taken up by the Haritha Karma Sena of the Corporation after the Brahmapuram incident. Waste has to be segregated and then handed over to assigned agencies for disposal. If establishments continue to avoid segregation, they'll have to face service cuts followed by a penalty. In case properly segregated waste is not picked up at regular intervals, this can be taken up with the JHI.</p>
Different people come to pick up waste at different times	The corporation is working on creating a system of regular pick up of waste by designated staff with a proper green uniform.
There is no receipt given when payment is made for the waste collection	The corporation is working on an online system to have a clear idea of the waste generated and soon the payment will also be through this online system.
Some complained that the fees being collected for the waste management was too high and not affordable	The fees charged for picking up waste is officially decided and is reasonable, and less than that which is charged in other local bodies in Kerala; further, those living below the poverty line 'അതിദരിദ്രർ' and disabled could claim for exemption from the user fees through the councillor.
Some were staying in rented accommodation and could not claim BPL status	If they are staying in a rented house, they could request exemptions through the house owner
Unofficial waste pickers are working in the division	The official system is being strengthened and all establishments are to be onboarded into this system

Waste bins being used at district courts college was removed by authorities	This may have been because mixed waste was being dumped there. Mixed waste was taken to Brahmapuram earlier, but that practice has been stopped now. Bins have to be kept to segregate different types of waste.
There are some dump sites within the division	This can be immediately uploaded on the war room app of the Local Self Government Department - action will be taken without delay
Some residents were not willing to treat biodegradable waste at source	Interns could create awareness about the problems of managing mixed waste - people had to be made aware of the issues and sensitised about the best ways of managing biodegradable waste - customers who repeatedly violated this directive would face service cuts and later, penalties
Customers did not know whom to contact to dispose different types of waste	A table has to be prepared in PDF including the contact numbers of division councillor, Aakri app, HI and other important service providers and persons so that it could be easily shared.
Corporation is not collecting thermocol waste - it had to be given to an agency in Alleppey	The use of thermocol is being discouraged as it is very difficult to dispose. If someone was using thermocol, they would themselves have to find means of managing it

The meeting discussed the difficulties faced by students as well as establishments. The interns were asked to create awareness against mixed waste. It was suggested that they could convene a meeting with residents association executives, HI, JHI and councilor for creating more awareness among residents.

## **ORIENTATION BY GREEN WORMS COMPANY**

**Date:15.05.2023**

Time: 9:00 am-10:00 am

Venue: Library AV Room





*24: Orientation for interns by Deepak of Green Worms Company*

Mr Deepak of Green Worms Company gave a talk to the interns about how they can associate with our students in this internship. Green Worms is a private agency that has been entrusted by the Kochi Corporation to aid in the waste management process in a number of divisions of Kochi Corporation including Division 62. Green Worms requested the support of the interns to paste their QR code at shops so as to onboard the shops into their waste management system. Through the QR code, shops can enter the details of the waste generated after which the company would collect the waste.

### **16 May: Meeting with HI, Councillor and Haritha Karma Sena**

A meeting was convened at the office of the Health Inspector at Yathra building at 1.30 PM. The interns met with the HI Shyju sir, the councillor Padmaja S. Menon, officials of the Suchitwa Mission and members of the Haritha Karma Sena. Joshy Varghese, extension officer of St. Teresa's College was also present at the meeting. The councillor announced the formation of a consortium of Haritha Karma Sena workers named 'Sabash 62' and it was suggested that the interns could collaborate with Sabash 62 in beautifying locations in Division 62, leading an outreach program at Monastery Road where some groups of residents were not always cooperating with the waste management efforts, and also perhaps take part in night patrols.

The interns voiced some of the concerns that they had encountered in the field and it was addressed by the HI.

### **17.05.2023: Seminar at The Gateway Hotel**



*25: Faculty and interns attending seminar on waste management at The Gateway Hotel*

Amina Parvin E.A., Aleena George, Aleena Biyatrees, Ashly Mathew, Archana C Rand Ms. Dona Pius attended a seminar on waste management technologies at The Gateway Hotel and shared some of their experiences from the field.

## **21 May: Training for second batch of summer interns**



*26: Orientation for second batch of interns by Amrutha of Suchitwa Mission and Councillor Padmaja S. Menon*

26 students attended the training for the second batch of the summer internship. Ms. Amrutha of the Kerala State Suchitwa Mission led the training session. Interns from the first batch presented some scenarios that they had faced in the field and asked the new batch to respond to the situations. Following this, the students met with Padmaja S. Menon, the councillor of Division 62 and the Health Inspector Mr. Shyju. Refreshments and lunch were provided to the students



*27: Health Inspector Shyju addressing interns at HI Office*

The second round of internship lasted from 23.05.2023 till 02.06.2023

Name of the participants

- 1.Josphin Vineeta Padua-II BSC Physics
- 2.Abhirami M-II BSC Physics
- 3.Ann Mary Nixen-II BSC Mathematics
- 4.Vismaya PV-Dept of Management studies
- 5.Krishnapriya Reghu-II BSC Mathematics
- 6.A Nandana-II BSC Mathematics
- 7.Caroline Chrysa-III BA English Literature
- 8.Mary Lazar-II MSC Chemistry
- 9.Biya Mary Mathai-II BSC Zoology
- 10.Jessica Lopez-II BA Sociology
- 11.Aparnna Rajeev-II BA Sociology
- 12.Nitha Joy-II BA Sociology
- 13.Mufeetha Muhammed-III BSc Mathematics
- 14.Vrinda Vijayan-III BSc Mathematics
15. Ancitta Antony-III BSc Physics
- 16.Susan V S-III BSc Mathematics

**May 23, 2023: Meeting with RWA and Kudumbashree officials at Chavara Cultural Centre**



*28: Meeting of interns with officials of RWA and Kudumbashree at Chavara Cultural Centre*

As a start to the second phase of the internship, the councillor of division 62, Mrs. Padmaja S Menon organised a meeting with the Director of Chavara Cultural Centre, Fr. Anil, two residence association heads and the Kudumbashree head. Interns were divided into 5 groups of 4 people each, approximately 19 girls in total. Everyone was assigned with specific areas to cover. The interns explained to the residents about the various methods of waste segregation and that the new system will be implemented soon. They already have an idea that the new calendar of waste collection will be followed by the end of this month. A few people used compost by making a hole in the bucket etc. And most people use some food waste for their plants. Some households experienced few problems with collections of glass/ bottles etc.

Other tasks that the second set of participants did are sticking of the QR codes of Green Worms in the shops and establishments in the roads they covered. Some shop owners were reluctant to stick QR codes. Major insights:

- Many hotels are giving dry waste through KHRA to private industry
- Some shops already have QR codes in their shops
- The branded shops in MG roads have their own private agencies to give wastes

- The shop owners are already giving the waste for 5 Rs to some private agencies like KHA which is cheaper than green worms.

## **26 May 2023: Review meeting**

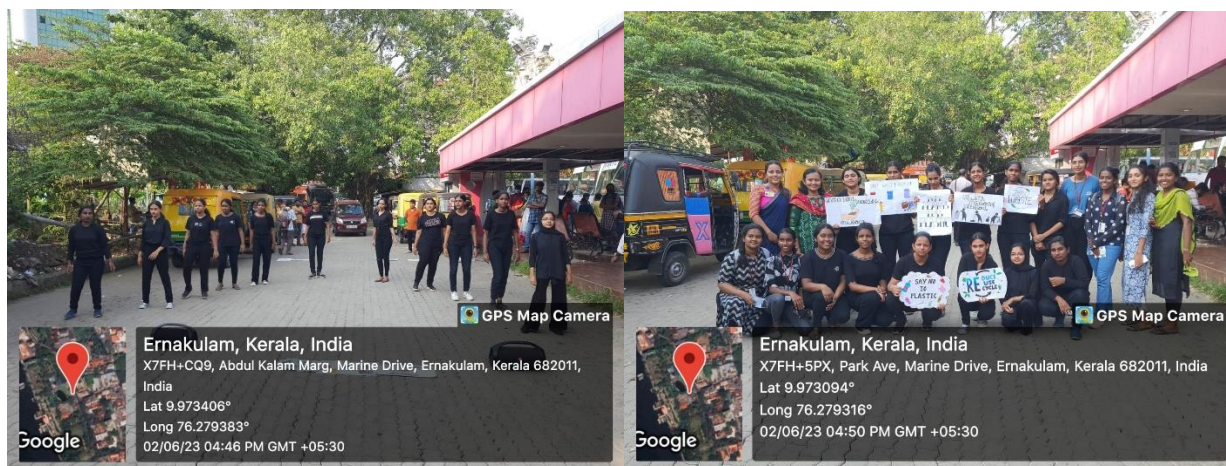
An online review meeting was held at 4 PM through Google Meet. The meeting discussed the following points:

- Daily reporting
- The total number of shops covered for QR code sticking by each team
- Difficulties faced
- The interns were able to stick QR codes only 2 shops on Vivekananda Road
- lack of Corporation ID cards was hindering the process of sticking QR codes -
- at one complex called Anand Bazaar they said Aravind Associates was already taking plastic waste from them
- KHRHA has arranged some means of waste management - hotels and bakeries have agencies taking dry waste at Rs. 5/- so giving to Green Worms at Rs. 7/- is a loss. Food waste is being given to pig farms.
- Branded showrooms are giving to waste management agencies assigned by their companies.
- TD Road god owns are giving in bulk to some private agencies
- Some small shops said they were disposing their waste along with household wastes
- Cardboard was being given to aakri shops
- Audiological centre did not allow to stick QR code
- the director at a major campus was unsatisfied with the information given by the councillor, JHI and interns - saying there was contradictory information - saying whether Haritha Karma would pick up waste or not. Councillor was unsure,
- Sanitary napkins were being picked up from some homes but not from other homes
- Receipts need to be provided
- Insights from the field
- Suggestions on waste management
- Plans for the coming week
- Plans for dump site beautification
- Green Protocol mentoring of parish halls
- The interns suggested keeping a flash mob and a community cleanup to end the internship.
- Vismaya was asked to find out a format for the internship certificate



The following members attended the meeting: Linda Luiz, Dona Pius, Mary Lazar, Biya Mary Mathai, Aleena George, Aleena Biyatrees, Nandana A, Athira Krishnanand, Josphin Vineetta, Susan VS, Mufeetha Muhammed, Ann Mariya Nixen, Jisna Selin AG, Vismaya PV.

### Flash Mob: 2.06.2023



*29: Interns performing flash mob at Boat Jetty Bus Stand to spread awareness about waste management*

At the winding up of the internship, interns performed a flash mob at KSRTC bust stand boat jetty at 4:30pm. Students made placards and banners showing the messages regarding the proper waste management strategies. Ms Padmaja Menon, Councillor of Division 62 were present in the event. She congratulated all the interns for their work. As a token of love, she gave beautiful cloth bags to the interns.



*30: Interns with cloth bags gifted by councillor Padmaja S. Menon*

## KOCHI ECO-CHALLENGE

The Kochi Eco-Challenge Project is an initiative of BMC of St. Teresa's College and C- Head of the Environmental Division Kochi Municipal Corporation in accordance with the World Environment Day 2021, Kochi Municipal Corporation launched the project in collaboration with the Haritha Keralam Mission and Suchitwa Mission. The project aims at the restoration of the local ecosystem through collective action of the youth and to encourage the present scenario of the environment by inspiring, informing and enabling the people to improve their quality of life without compromising the future generations. In 2021-22, this challenge encouraged students of schools and colleges within Kochi corporation to suggest projects for the restoration of degraded ecosystems in the corporation area. Winners were selected and given prizes.

In 2022-23, the project was taken to its next level, i.e. prize-winning entries were brought to the discussion table so as to bring them into practice. St. Teresa's College coordinated the discussion of this bringing experts from C-Hed and Kochi corporation together with the students who suggested the projects. As a first step, meetings were held on 14 September 2022. On 20 September 2022, field visits to the proposed sites of ecosystem restoration projects were conducted. Ms. Chinnu from C-Hed, Elizabeth Paul, Dona Pius and Mr. Joshy Varghese representing St. Teresa's College were part of the visit to the following sites:

a) Vennala Para

Ms. Sini, Mr. Dinu and three students from Bhavans School, Aroor joined. Possible options like water storage, fish farming and a water park in US model (Dutch Springs) were discussed. The group also talked with locals regarding the difficulties they are facing

b) Thevara fisheries college

Team members- Radhika miss and Nisha miss from fisheries school, Thevara joined the team and visited the proposed area and discussed the possibilities of keeping and maintaining water bins. They also discussed the practical difficulties regarding water bin

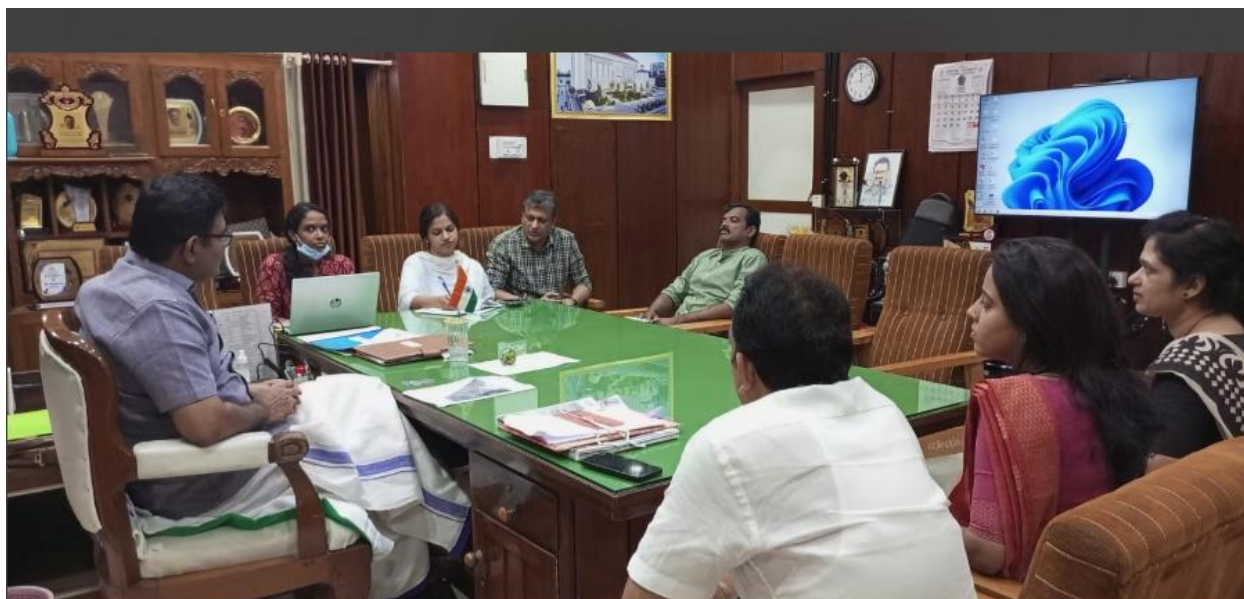
c) Mangalavanam

Team members- Manju miss, And 2 students from Chinmaya, Vaduthala joined the team and visited the proposed area and discussed the possibilities for the restoration of Mangalavanam

The Honourable Mayor convened a meeting to discuss the progress of Eco Challenge project especially the Vennala para Project on 21 November 2022 at 11:30 am in Mayor's chamber







*31: Kochi Eco Challenge team in discussion with Mayor, corporation officials and C-Hed at Mayor's Chamber*

A one-day workshop on 'Advancing climate action in Kochi, through institutionalising C-Hed as Center for Climate Action' was held on 5th December at the Hotel Grand (M. G. Road). All teachers and students associated with Kochi Eco Challenge attended the workshop and the Kochi Eco Challenge team made a presentation on the project



*32: Extension coordinator, faculty and students associated with Kochi Eco Challenge attending seminar*





*33: Faculty member Elizabeth Paul making presentation about Kochi Eco Challenge project*

## Public Transport Day

The college initiated a practice of observing ‘Public Transport Day’ on the first Wednesday of every month so as to reduce the use of private vehicles and thus to cut down the carbon emissions caused by the members of the college community

## India Green University Network

To mainstream environmental education and to build skills and capacities of India’s youth, UNEP with the support from the TERI School of Advanced Studies (TERI SAS) proposes to establish India Green University Network (IGUN). We believe that education is fundamental to achieving the SDGs and Universities/Higher Education Institutes have a critical role to play in preparing future generations to participate responsibly in building a sustainable and inclusive green economy with a healthy and productive ecosystem. Its mission is to “Convene, Communicate, Collaborate, Catalyze, Commit” ([https://www.terisas.ac.in/unep\\_yea/](https://www.terisas.ac.in/unep_yea/))

To nurture this aim of starting a groundswell movement to make higher education institutes in India sustainable, institutions across India were selected to be a part of it. St. Teresa's College was fortunate to be a part of this. Amala Anil of II BA Economics and Devika Menon of II BCom were the delegates to the IGUN online meetings representing St. Teresa's College.

## Beach Cleaning with DoECC under India G20 Presidency

21 May 2023

As part of India's G20 Presidency, a Mega Beach Cleaning Campaign was organised at coastal states in the country on 21 May 2023. In Kerala, three beaches were part of the campaign: Fort Kochi, Alleppey and Trivandrum. The Ministry of Environment, Forests and Climate Change, Government of India was coordinating the event at the national level and in Kerala the cleanup was coordinated by the Directorate of Environment, Forests and Climate Change under the banner of the LiFE project. The Ministry of Environment, Forest and Climate Change (MoEFCC) and the National Centre for Sustainable Coastal Management (NCSCM) had planned out the event. The District Administration under the leadership of Sri. Umesh N.S.K. IAS, the District Collector of Ernakulum, and Sri. Vishnu Raj IAS, the Sub-Collector of Fort Kochi mobilized the local administration to ensure the smooth functioning of the event. GIZ India, Sustera Foundation, the Bhoomithrasena Cubs of St. Teresa's and S.H. College Thevara, Green Worms, Clean Hub, SBI Institute of Learning and Development, Fort Kochi Heritage Society, Coast Guard, Tetley, and volunteers from M.A College, Kothamangalam, CUSAT, Nestle and TCS, among others were part of the campaign. Faculty members Linda Therese Luiz and Dona Pius of the Bhoomitrasena along with 25 Bhoomitra Sena volunteers participated in the event.



34: Dignitaries and volunteers at the start of the mega beach cleanup event

The volunteers assembled at the starting point: SBI institute of learning and development, KJ Herschel Road, Fort Kochi. Chief guests Sri. Vishnuraj IAS, Sub Collector of Fort Kochi administered a pledge not to pollute the oceans and Sri. Antony Kureethara, Ward Counsellor, Kochi Municipal Corporation,



gave a brief message. The lead Coordinator from Sustera Foundation explained the procedures to be followed in the beach cleanup.



*35: Sub-Collector administering pledge in the presence of Division councillor and other dignitaries*





36: Beach cleanup in progress

The waste was collected in a segregated manner. Separate sacks were provided for different types of waste: organic waste, plastic, glass, e-waste, legacy waste such as cloth. After the collection, the sacks were brought to the designated collection point and weighed. This was then handed over to designated waste management agencies. The material composition of the waste collected at the Fort Kochi beach was as follows:

Mixed Plastics	- 160 kg
Paper	- 12 kg
Glass	- 66 kg
Rubber & Leather	- 138 kg
Metal	- 0
Cloth	- 8 kg
Medical & sanitary	- 6 kg
Wood & Organic waste	- 270 kg
 TOTAL	 = 660 Kg





*37: After the cleanup*

Refreshments and participation certificates were provided to all those who participated in the cleanup. Student volunteers also received a cloth bag. The beach cleaning event not only raised awareness about the importance of maintaining clean and healthy coastlines but also empowered individuals to take action in their own lives. It served as a powerful reminder of the collective responsibility we bear to protect and preserve our natural surroundings for future generations.

# GREEN PROTOCOL

The Green Protocol initiated by the Bhoomitra Sena of the college ensures that green practices are followed in the daily events of the college. The protocol ensures that the wastage of single-use plastics is not encouraged in the campus premises. In order to ensure that the green protocol is followed, students are assigned to check whether the green practices are followed. In addition to this, in order to enforce the green protocol, posters which were made by the students are displayed all over campus. The Bhoomitra Sena had also organized an orientation for the students so that the students can be familiar with it.



*38: The Green Protocol Poster on display*

In order to promote the green protocol, competitions are regularly held in the campus at inter departmental levels. For the Onam celebration, the students were asked to bring reusable tumblers as a competition. The college farewell, all the departments of the college were encouraged to participate and make the Farewell celebrations green and eco-friendly. Prizes were awarded for the best departments. The following guidelines were given to the different departments of the college:

1. Use ecofriendly decorative items and banners made of biodegradable materials.
2. Get creative and look around, use the things around you.
3. Use only eco-friendly packaging for wrapping gifts. disposables
4. Departments can distribute food and beverages in reusable plates and glasses. Avoid

disposables

5. Segregate the waste generated into biodegradable and non-biodegradable



*39: Brochures of Green Freshers' Party and Green Farewell Party challenges*

### **GREEN PROTOCOL AWARENESS GIVEN TO STUDENTS**

A team of BMC volunteers were tasked with raising awareness about the Green Protocol campaign by visiting various departments on campus. During their visits, the volunteers provided information about the guidelines for the Green Protocol and encouraged individuals to sort their waste into designated bins while also avoiding the use of single-use plastics. The campaign received support from a number of teachers who permitted the volunteers to enter their classes, and these educators demonstrated an understanding of the importance of adhering to the Green Protocol by promising to adopt its principles with enthusiasm.





*40: Students giving awareness class on Green Protocol in various departments*

### **Green protocol awareness class for Non-teaching staff**

On October 27, 2022, an awareness class on the Green Protocol was held for the non-teaching staff at St. Teresa's College, in the Seminar Hall. Miss Anjaly Muralidharan, a faculty member of the Computer Science Department, provided an orientation on the college's Green Protocol and stressed the need for its implementation on campus. Miss Anjali went on to explain each of the 15 protocols in detail, and the session was designed to be interactive, with the non-teaching staff being given the opportunity to share their ideas and opinions. During the session, the staff put forward several innovative ideas, one of which involved establishing a "Green Police" unit to monitor compliance with the Green protocols on campus. They also expressed concerns about the wastage of energy resources. The non-teaching staff voiced their support for the Green Protocol, and the session concluded at 4 pm.





*41: Green Protocol orientation for non-teaching staff of the college*

### **BMC team at Teresian sale**

The Teresian sale, as observed, was highly eco-conscious. The containers used for the sale were mainly made of either cardboard or high-grade reusable plastic. Most of the food was served on paper plates, Styrofoam, or foil paper boxes, and the use of plastic was rare to non-existent. Drinks were served in paper cups, and the ornament section was particularly mindful of plastic usage, with most items sold in brown paper, decorative paper, or cloth bags. Despite the general eco-friendly approach of the sale, the majority of waste left after the event was food waste, along with improperly disposed gloves, paper cups, plates, and straws. Overall, the Teresian sale was an example of conscious eco-friendly practices, though improvements could be made by implementing a better waste management system and reducing food waste.



*42: Student volunteers checking Green Protocol compliance at Teresian Sale*



# REDUCING

The Bhoomitrasena club organized an interdepartmental competition named # BYO (Bring Your Own) for Onam in August 2022 as part of promoting sustainability and eco-friendly living on campus. Students and staff of all departments were encouraged brought reusable cups for having payasam to reduce the use of plastic and disposables and thus to save our nature.





43: Documentation of #BYO challenge by various departments

Students and teachers bought steel cups for having payasam thus supporting the Bhoomitra Sena Club in BYO (Bring Your Own) for Onam Celebrations. The winners were:

\* 1<sup>st</sup> prize: Botany department

- \* 2<sup>nd</sup> prize: Chemistry department
- \* 3<sup>rd</sup> prize: Mathematics department

**Date: 17/09/2022**

Bhoomitra sena club of our college organized an interdepartmental competition – “THE GREEN FRESHERS PARTY” as a part of promoting a sustainable and eco-friendly campus. All the departments had actively participated by using biodegradable décor and reusable utensils. The English department secured first prize and the second and third prize winners were Sociology and History Departments.



**St. Teresa's College (Autonomous)**  
Ernakulam

**Bhoomitra Sena Club**

*Presents*

# #green fresher's party

INTERDEPARTMENTAL  
COMPETITION: A SUSTAINABLE  
FRESHER'S PARTY!

Last date :  
17 september 2022

## Guidelines

1. Provide awareness to the first year students about green protocol.
2. Use eco friendly decorations and banners made of biodegradable materials.
3. Get creative, look around and use the things around you. .
5. Departments can distribute food and beverages in reusable tumblers. Avoid disposables
6. Segregate the waste generated into biodegradable and non biodegradable.

### Take the following photos

- 1.Decorations of the event.
- 2.Food and drinks in reusable utensils.
3. Providing awareness to first years about green protocol.

Combine all the photos in a single pdf and upload it in the google form given below.

The department with the best participation will be awarded with a cash prize.

[https://docs.google.com/forms/d/e/1FAIpQLSdP4Gs-gWKsXhIjIN5AHvDy5u03-S0vXybRYRQkLfZ\\_WY6eTt3w/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdP4Gs-gWKsXhIjIN5AHvDy5u03-S0vXybRYRQkLfZ_WY6eTt3w/viewform?usp=sf_link)

### Distribution of marks

Provide Awareness to 1st years	15
Eco- friendly decorations	30
Avoid balloons, insulation tapes, etc	20
Use reusable tumblers	15
Use reusable utensils for food	20





*44: Documentation of Green Freshers' Party by various departments*

**Date: 28/09/2022**

St. Teresa's College has participated in a campaign initiated by Hibi Eden MP named 'Cup Of Life'. 'Cup of Life' is being implemented in association with Muthoot Finance, which allocated ₹1.50 crore from its CSR fund. Ernakulam district administration and IMA Kochi were also part of the project. Menstrual cups were distributed all over Kerala, St. Teresa's College also took part in this programme by about 2000 students registering it and buying it. The cup was distributed on 28th of September all over the college by the volunteers.

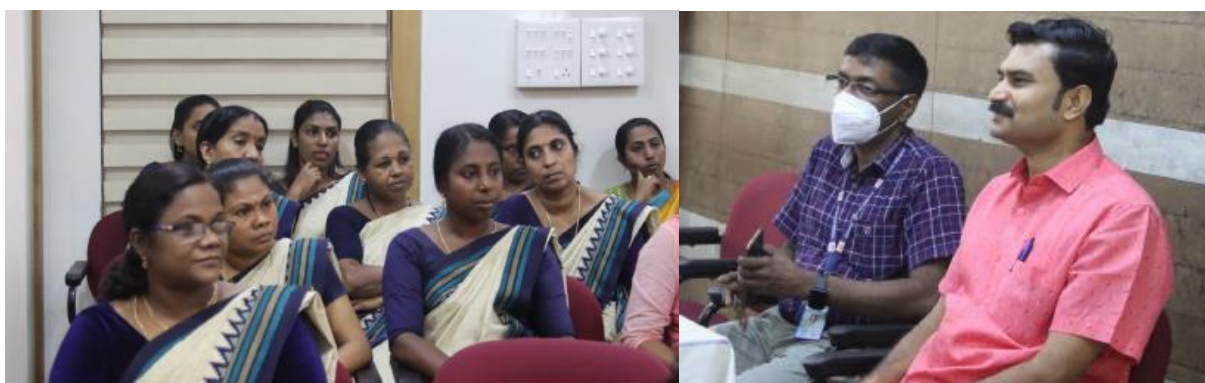


*45: Sensitisation and flash mob to promote the use of menstrual cups*

**Date: 30 March 2023**

### **Zero-waste declaration**

Commemorating International Zero Waste Day, the Bhoomitrasena Club organized an orientation for the non-teaching staff of the college. The orientation was led by Sri. Ameer Shah, Program Officer, CCDU, Kerala State Suchitwa Mission. The keynote address was delivered by Manu Jacob, Councillor of Division 61 of the Kochi Municipal Corporation. The District Coordinator of Suchitwa Mission P.H. Shine declared the campus a zero-waste campus. All the cleaning staff of the college attended the program. In the interactive session the non-teaching staff also expressed their concerns regarding waste management and segregation on campus.



*46: PH Shine and Ameer Shah of Suchitwa Mission orienting non-teaching staff of the college on zero-waste generation*



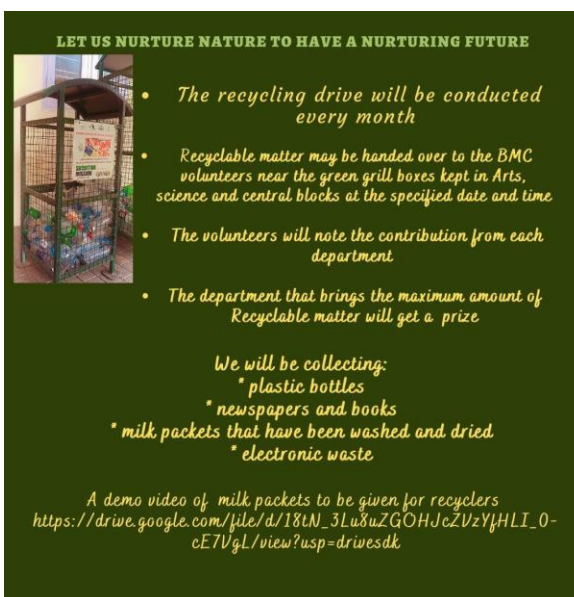
# RECYCLING

The Collector's Club recycling team of St. Teresa's College was led by Dona Pius, Assistant Professor of the Department of Economics. The student leaders were Arti Rajpurohit and Pooja Rajpurohit of II BA History and Mary Aleena of II BA Economics. The recycling team announced an inter-department year-long recycling competition and conducted recycling drives on 26.08.22, 16.10.22, 18.11.2023 and 30.03.22. Recycled matter included milk packets, newspapers and books, papers, plastic waste etc. The department that brought the maximum amount of recyclable matter was to be given the prize. Students were directed to bring the recyclable materials to the green grill boxes in Arts, Science and Central Blocks at the allotted time and hand them over to the volunteers there. A total of 63.58 kgs of waste was recycled as a result of the activities of the recycling team over the year.

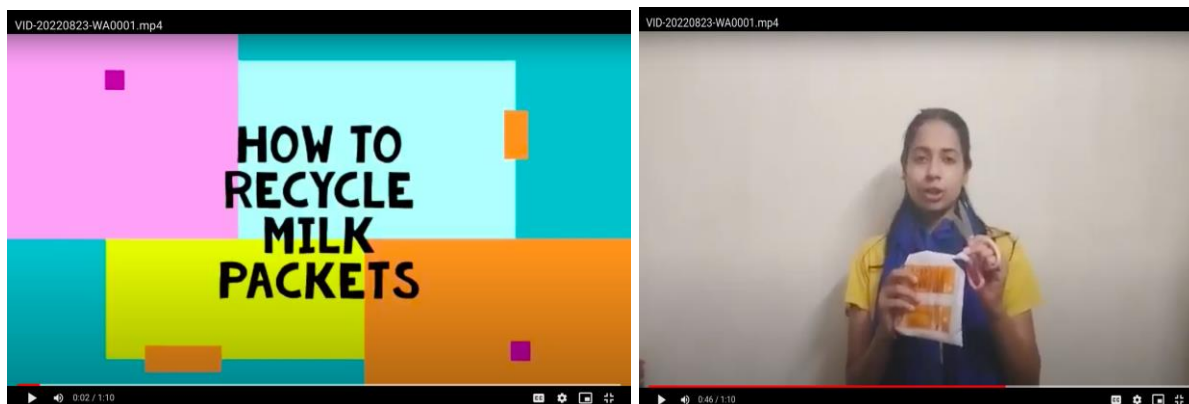
## RECYCLE DRIVES

### Recycle drive: 26.08.22

The recycling team of Bhoomitra Sena Club conducted a recycle drive in association with Departments of Sociology and Department of Economics on 26.08.22. A total of 21.07 kg of waste were collected and handed over to the recyclers. The recycling team received Rs.230/- in return for the materials given for recycling.



Students visited classes and spread awareness about the materials that could be brought for recycling. Kirti Yadav of III BA Economics created a YouTube video explained how milk packets can be recycled.



47: Kirti Yadav's YouTube video on recycling milk packets



48: Photos of recycle drives

## E-WASTE RECYCLING DRIVE:16.10.22

The recycling team conducted an e-waste recycling drive on 16.10.22. 16.20 kgs of e-waste was collected and handed over to recyclers. E-waste of worth Rs 190/- was taken by the recyclers.



ST. TERESA'S COLLEGE  
AUTONOMOUS) ERNAKULAM

11 SUSTAINABLE DEVELOPMENT  
13 CLIMATE ACTION

# BHOOMITHRA SENA CLUB

is organizing

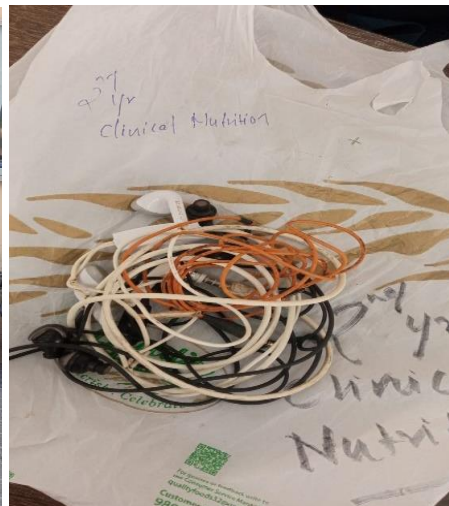
## E-WASTE RECYCLING DRIVE

An interdepartment competition  
On: 10th October 2022(Monday )  
Venue:Near the green boxes in Arts,  
Science, and central blocks  
Time:Lunch break

we will be collecting

- Chargers
- Headphones
- Laptops
- DVD Players
- Cables
- keyboard
- Microphone etc

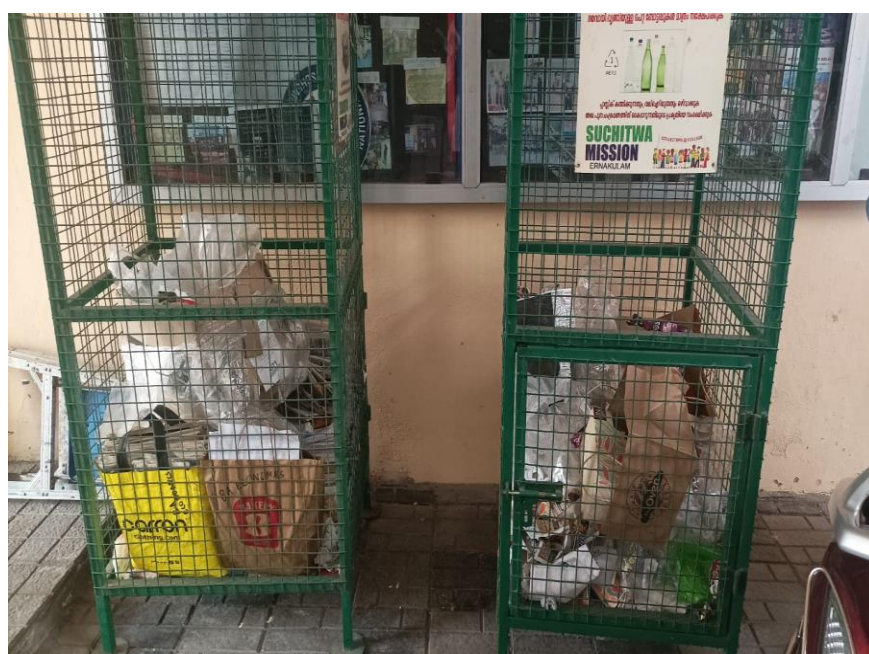




49: Glimpses of e-waste recycling drive held on 06.11.2022

### PAPER WASTE RECYCLE DRIVE: 18.11.22

The recycling team of Bhoomitra Sena Club conducted a paper waste recycle drive on 18.11.22. A total of 26.31 kg of waste was handover to the recyclers.



50: Glimpses of paper waste recycle drive held on 18.11.2022

## PAPER WASTE RECYCLE DRIVE: 30.03.23

The recycling program of BMC conducted another paper waste recycle drive on 30.03.23.



ST. TERESA'S COLLEGE  
(AUTONOMOUS) ERNAKULAM

11  
A

13  
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BHOOMITHRA SENA CLUB  
is organizing

# PAPER WASTE RECYCLE DRIVE

An interdepartment competition

On: 30th March 2023

Venue: Near the green boxes in Arts,  
Science, and central blocks

Time: Lunch break

**We will be collecting:**

- Used books
- Old newspapers
- Magazines
- Cardboards
- Office papers
- Envelopes
- Old used papers





The department of History was declared the winner of the year-long recycling interdepartmental competition organised by the Collectors' Club recycling project of the Bhoomithra Sena Club. The department of History had given the greatest volume of materials for recycling (28.48 kgs) through the year. The winning department received prize money of Rs 2000.



51: Faculty and students of the History department receiving the cash prize for winning the inter-department recycling drive competition 2022-23 from councillor Manu Jacob of Division 61 of Kochi Municipal Corporation in the presence of Principal Alphonsa Vijaya Joseph

# UPCYCLING

## PAPER BAG MAKING WORKSHOP

**Date : 29.11.2022**

**Venue : Department of Economics, Arts Block**

**Time : 1:30 pm-3:30 pm**

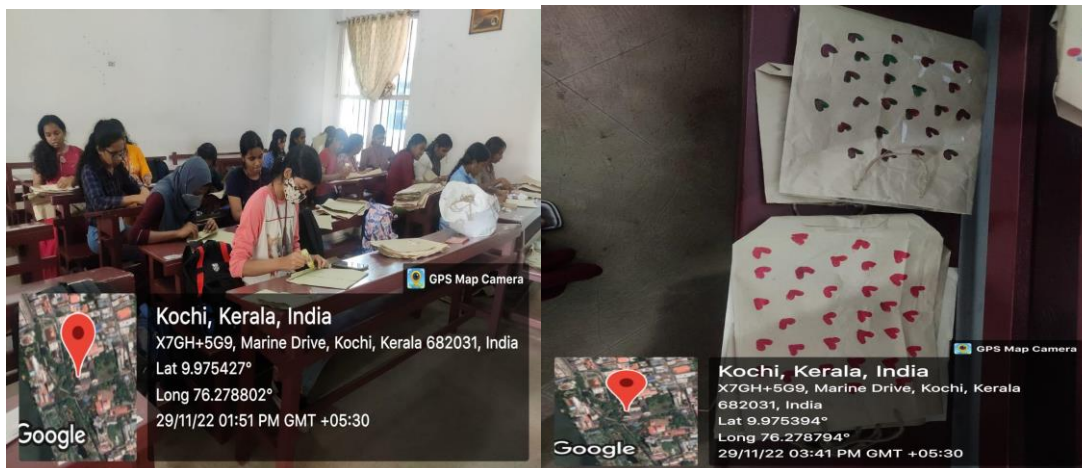


Bhoomithra Sena Club in association with the Department of Economics conducted a paper bag making workshop on 29.11.2022 at 1:30 pm. The purpose of the workshop was to upcycle the large amounts of paper waste generated from the centralized valuation camp within the college and to create useful and colorful paper bags from it. These bags were then to be utilized at the annual Teresian Christmas sale and thus to reduce the dependence on single use carry bags at the sale.

The workshop was devised with a view of bringing awareness and instilling the thought of restoring the environment. Students showcased their creativity and artistic skills by making beautiful paper bags and decorating them vibrantly. They used different materials to decorate the bags. The students were given the brown papers from the camp of our college. 85 paper bags were made from the 3 kg of papers. The glue, scissors and the strings were also provided. It was a fine experience for the students as they were able to get a physical outcome of their learning. The workshop came to an end at 3:30 pm.



These bags were exhibited in the ASTA Alumnae Sale. 55 bags were sold in the ASTA Alumnae Sale for Rs. 10/- each.



*52: Workshop for making paper bags out of paper waste from valuation camp*

## Best Out of Waste competition

27 January 2023

The Bhoomitra Sena conducted a competition to encourage upcycling among students. The best entries from the students were presented at the Global Waste Management Expo held at Marine Drive from 4-6 February 2023.





### INSTALLATION AT GLOBAL EXPO 2023

The Department of Fashion Designing did two installations at Global Waste Management Expo 2023 at Marine Drive, Ernakulam, conducted by Suchitwa Mission from 4<sup>th</sup> February 2023 to 6<sup>th</sup> February 2023 under the guidance of Dr. Lekha Sreenivas and Ms. Dhanya P. Installation 1: 'The Bird nest' was created using plastic bottles, thermocol, plastic covers and big drinking water plastic containers. Installation 2: 'Are we drinking water or poop' was made of waste pipes and plastic covers (more details given in section 'Global Waste Expo'). The students who created the installation were awarded with memento and certificate in the valedictory function conducted on 6<sup>th</sup> February 2023.



*53: Installations prepared by the Dept of Fashion Designing at the Global Waste Management Expo 2023*

# FIELD VISITS

**Date: 26/07/2022**

Commemorating International Mangrove Conservation Day that is observed every year on July 26, the students of the departments of Communicative English and Sociology in association with the Bhoomithra Sena Club visited the Mangrove Research Centre functioning at the fisheries station of Kerala University of Fisheries and Ocean Studies (KUFOS), Puthuvypin on 27th July 2022. The trip aimed to create awareness among students about the importance of mangrove ecosystems as a unique, special and vulnerable ecosystem.

Eighty students and three faculty members, Smt. Elizabeth Abraham (Sociology), Smt. Anaswara Ramachandran and Smt. Sarilekshmi R. (Communicative English) participated in the nature visit that was flagged off by the Manager Rev. Dr. Sr. Vinitha CSST, Principal Dr. Alphonsa Vijaya Joseph and Senior Administrator Dr. Sajimol Augustine. The group reached the Mangrove Information Centre by 10:00 am. The programme began with an official inauguration by Dr. Abhish B, Assistant Professor, Fisheries Station, KUFOS. Sri. Reghu Ram, Farm Superintendent, led a one-hour session where he familiarized students with the different varieties of mangroves and the need to conserve mangroves. The students got an opportunity to see the harvesting of fish. A boat ride through the serene mangrove forest, through waters tightly hugged by verdant mangroves was something special. The natural settings seemed surreal with placid waters, lush greenery and tranquility punctuated only by the chirping of the birds. The programme concluded with a talk by Dr. Linoy, Assistant Professor and head of the fisheries station. He talked about the reasons for disappearance of mangrove forests and the need for sustainable management of mangrove ecosystems. The trip to and from Puthuvype, on a hired KSRTC bus, was also memorable.





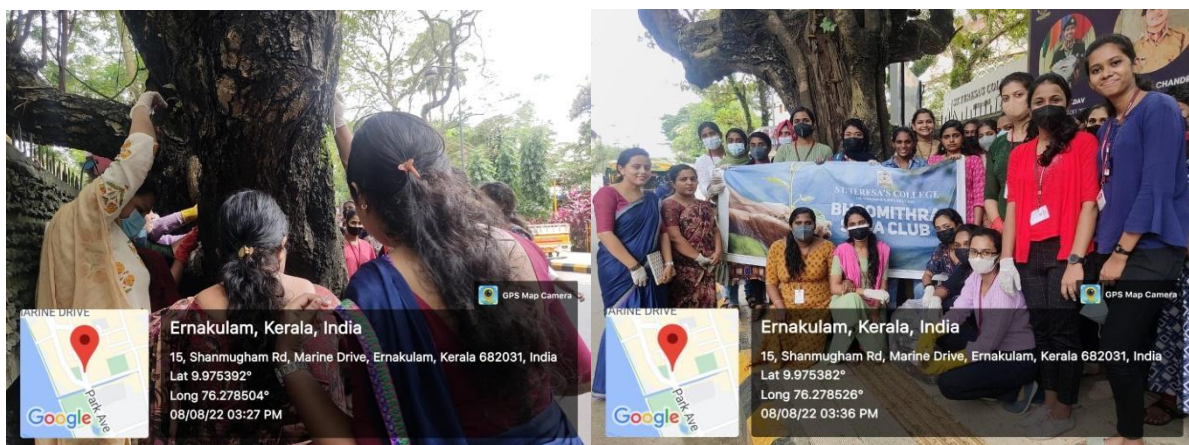


*54: Field visit to Mangrove Information Centre, Puthuvype*

### **Cleaning of rain trees outside college**

**Date: 8/08/2022**

The Bhoomitra sena club organized a cleaning of the rain trees outside college on 8th August 2022. The surroundings and hollows of the rain trees were filled with plastic and various other waste materials. This idea of the cleaning drive was suggested by students at an online meeting of volunteers and was implemented promptly. About 24 BMC volunteers along with two teachers took part in the drive.



*55: BMC team cleaning rain trees outside college gate*

### **Beach cleanup at Puthuvype beach**

**Date-16/09/22**

**Time-2:30 PM**

The Students of the Bhoomitra Sena Club were taken to the Puthuvype beach for “Beach Clean Up Drive” as part of International Coastal Cleanup Day on 16th September 2022. 20 volunteers of BMC and two staff coordinators participated in the drive. The students collected paper and plastic waste. A lawn near

the beach was also fully cleaned by the volunteers. Approximately 20-25 fully packed garbage bags of waste were collected from the beach. These were then disposed in the waste bins kept near the beach.



*56: Beach cleanup at Puthuvype beach*

### **Visit to Mangalavanam Bird Sanctuary**

**Date: 16 February 2023**

50 students of the Bhoomitra Sena Club were taken to the Mangalavanam Bird Sanctuary, near High Court Ernakulam on 16th February 2023. The students started their journey at 9:45 am in a KSRTC bus. Mr Vineeth coordinated the arrangements. Mr Reghu Ram, Farm Superintendent, Fisheries station KUFOS briefed the visitors about the sanctuary and the mangroves and its relevance in the ecosystem. The students were taken on a walk through the mangroves and the officials explained the peculiarities of the birds and the trees. Ms Sarilekshmi R. and Ms Anjaly Muralidharan, faculty members of the college accompanied the students to the Sanctuary. The outcome of the activity was that the students became familiar with the mangrove trees and the importance of forest conservation.





*57: Visit to Mangalavanam Bird Sanctuary*



# OUTREACH

**Date: 12/07/2022**

Kochi Corporation conducted a rally under the HEAL Project on 12th July 2022 under the title 'Prabhat Bheri'. The rally was a part of Swachchatha Pakhwada, to spread the message of reducing plastic. The rally began at 7.15am. About 6 students from the department participated in the rally. We were accompanied by prominent sports players and officials from BPCL. We started the rally from St. Teresa's College and gathered at the Gandhi statue near Rajendra Maidan. Then we returned to the campus after the inauguration of the Ticket Box to collect plastic waste at the Boat Jetty. Students got an opportunity to use the Ticket Box also.



## **Green Marathon and planting of saplings**

**Date: 14/07/2022**

On Thursday, July 14th, a green marathon was held as part of the 75th anniversary celebration of the Department of Mathematics and Statistics in collaboration with the Bhoomithra Sena Club. 100 jackfruit saplings were sponsored by Green World Clean World Foundation. As a part of UN's SDG Goal #15 Life On Land, an enterprise named Nurturing Green was inaugurated by Santhosh George Kulangara, the Chairman of Labour India and Smt. Betty Joseph, the Vice Principal and Head of the Department of Statistics. The Green World Clean World President Sri. Saju Kurian, head of the department of Mathematics Dr. Ursula Paul, Prof. Susan John and Sri. T. P. George spoke during the event. Sri. Saju Kurian flagged off the marathon and the students rallied on Marine Drive holding placards with

Sustainable Development Goals. Saplings were planted here by MHM Ashraf. The students then rallied to the Kerala Government Guest House and UPSC state topper, Sri. Dilip K Kainikkara, planted saplings. The rest of the saplings were distributed to the staff and students.



58: Distribution of jackfruit saplings at St. Teresa's College



59: Rally and planting of jackfruit sapling by Dilip K Kainikkara



## Outcomes:

Saplings were planted in multiple public places. Students promoted a greener world.

### 1. GCDA



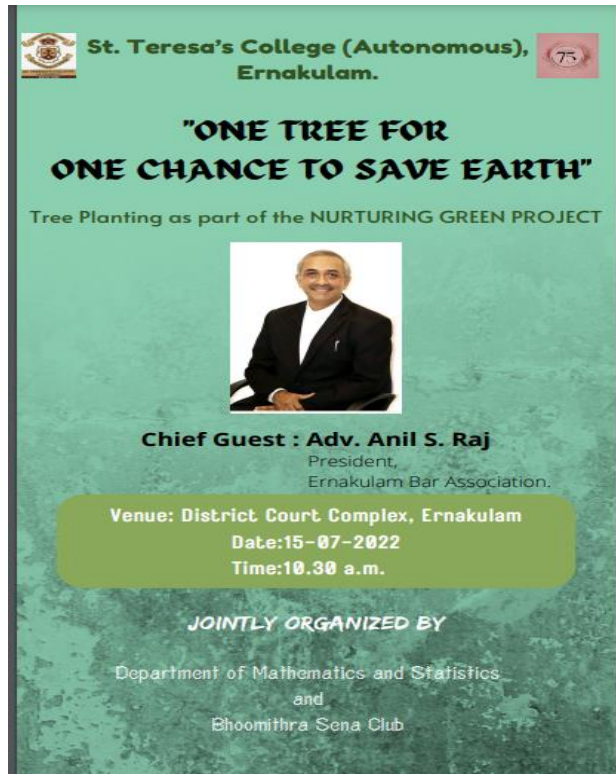




60: Planting of jackfruit saplings at GCDA complex



61: Jackfruit saplings planted at Subhash Park by P.R. Renish, Chairperson of the development standing committee of the Kochi Corporation



62: Planting jackfruit saplings at District Court complex by Adv. Anil S. Raj, President of Ernakulam Bar Association





63: Planting of jackfruit saplings at the residence of Justice Shamsudheen



# COMPETITIONS

**Date :22/08/2022**

**ST. TERESA'S COLLEGE  
(AUTONOMOUS), ERNAKULAM**

Bhoomithra Sena Club in association with  
Teresian Karshakasree  
and  
Department of Botany & Centre for Research  
**is organizing a**  
**MICROGREEN CHALLENGE**

**GROW THE GREEN  
AND  
GRAB THE SCENE**

**Guidelines to the challenge:**

1. This will be an interdepartmental competition.
2. Grow your own microgreens and present it along with the value added products (recipes) prepared out of them in the department wise stalls that will be set up for the exhibition.
3. Geotagged selfies of 3 stages of growth of the microgreens should be presented during the exhibition.
4. Judgement will be based on the variety of the microgreens & value added products presented.
5. Best three departments will be awarded prizes.
6. Date of exhibition - 22.08.2022 at 11:30 am at Gym Plaza.

Department of botany and center of research in association with Teresian Karshakasree project and Bhoomitrasena Club organized a "Micro green challenge" at the college Gym Plaza on 22nd august 2022 from 11.30 am. A competition named "GROW THE GREEN AND GRAB THE SCENE " was conducted and acceptable participation of students were noticed. Mugdha Madhu from the Zoology Department won the first prize.

## **Ecoposters competition**

**Date:23/08/2022**

A poster making competition was held on 23rd August 2022 by the Bhoomitra Sena titled "Ecoposters". The students were asked to follow the theme of GREEN PROTOCOL OF St. Teresa's College. 15

students from various departments participated in this competition. Several guidelines regarding competition were provided to the participants.. The first prize of Rs. 500/- was secured by Gurumahima, Roserin Jeejo, Anaina Shaji and Mary Rinta of III BA Sociology. The second prize of Rs. 300/- was secured by Angeline Maria Paul, Michelle Patrick, Sneha Ann Sunil, Susanna Mathew, Theresa Paul of II MSc Psychology and the third prize of Rs. 150/- went to Nikitha Biju, Gopika KG, Nimisha P Menon and Dianisha Monica Ruben of II BSc Botany.

**ST. TERESA'S COLLEGE (AUTONOMOUS) ERNAKULAM**  
**BHOOMITRA SENA CLUB**

is organizing a  
**POSTER MAKING  
 COMPETITION**  
**ECOPOSTERS**

**THEME: GREEN  
 PROTOCOL OF  
 ST.TERESA'S  
 COLLEGE**

DATE: AUGUST 23 2022  
 TIME: 12.30 PM  
 VENUE: GYM PLAZA

**GUIDE LINES**

- Only eco-friendly articles should be used (even the poster may be a reused one!)
- Electronic submissions are not considered
- Should include all the ten protocols which will be shared to you at the time of competition
- Poster can be made using pen, crayon, water colour, oil paint etc.. Photographs and print-outs won't be accepted
- Personal details like name, department etc. should be mentioned only at the backside of the poster
- Participation can be individual or group (maximum 5 in a group)
- BMC hours will be awarded to the participants
- Cash prize of 500Rs, 300Rs & 150Rs will be awarded to the first, second and third positions respectively







64: The prize-winning poster was adopted as the background for the official college Green Protocol poster

# SEMINARS

**Date: 08/06/2022**

**Venue: Platinum Jubilee Auditorium**

'Only one earth – to love, live and prosper' was an event conducted jointly by Bhoomithra sena club, NCC Army Wing, NCC Navy Wing and NSS Unit 41. The program commenced by invoking the blessings of God Almighty, Nanikha Mary of III DC Mathematics recited the prayer. The main events started with a welcome speech by Dr. Lissy Mathew, our principal followed by a presidential address from Rev. Sr. Dr Vinitha CSST, our provincial superior and manager. The guest for the event was Dr. C.N. Manoj, director Pelican Kenterra P. Ltd. After addressing some common societal problems, he conducted an interactive session asking the students present there for various solutions. It was a very fun and lively session. Succeeding this Dr. Nirmala Padmanabhan, vision of Teresian BMC, suggested ways to encourage green protocol among students and how each one can participate in at least one activity related to the former. A PowerPoint presentation regarding the Teresian Karshakasree challenge, and about the prize distribution was shown.

The prize distribution was held for the inter-departmental Karshakasree challenge where the first prize was secured by the zoology department followed by chemistry and history department in second and third place respectively. Other prizes for BMC members were also awarded. The green protocol pledge was taken by the members of NCC, NSS and BMC. The program concluded with a vote of thanks by Alfiya Abdul Salam, III DC Economics



*65: World Environment Day celebrations*

## OTHER ACTIVITIES

**Date-06/08/22**

**Time-11 am**

Department of Environmental Studies of Sacred Heart, College conducted an online session on “UNSDGs and the Role of Sustainable Traditional practices from an Indian Perspective”. 18 students participated from the BMC club of St. Teresa’s College. Certificates were provided for the same.

**SACRED HEART COLLEGE**  
DEPARTMENT OF ENVIRONMENTAL STUDIES  
SACRED HEART COLLEGE, THEVARA, KOCHI, KERALA - 682013  
Cordially invites you to the LECTURE SERIES- 3  
**UN SDGs AND THE ROLE OF SUSTAINABLE TRADITIONAL PRACTISES FROM AN INDIAN PERSPECTIVE**  
**AUGUST 6, 2022**  
**Saturday, 11 am**  
**PRESIDENTIAL ADDRESS-**  
Rev. Fr. Dr. Jose John CMI  
Principal  
**FELICITATION-**  
Dr T.J. James  
Head of the Department  
Department of Environmental Studies  
Join using Google meet  
<https://meet.google.com/khl-qaym-lbu>  
A certificate will be provided to the participants. The link for certificate will be shared during the lecture  
**KEYNOTE SPEAKER**  
Dr. Parul Gurjar  
**Subject Expert**  
(Climate Research and Training)  
Environmental Planning and  
Coordination Organization (EPCO),  
Government of Madhya Pradesh  
**Organizing Secretary**  
Lakshmi G  
Assistant Professor  
+919497367890  
l.james@shcollege.ac.in  
lakshmi@shcollege.ac.in

**Date: 25/08/2022**

Restoration efforts and goals cannot be addressed just by one entity, everyone has a part to play. As a part of World Environment Day, A pledge for Ecosystem Restoration Journey was conducted by BMC in accordance with the United Nations Environment Programme (UNEP) on 25th of August 2022. Volunteers of the club was sent to all the departments of the college to give an awareness class about conserving ecosystem and pledge was taken in the online mode. About 3000 students of the college took the pledge.





*66: Volunteers showing students how to take UNEP pledge on their phones*

In addition to the activities mentioned the following initiatives were done to promote sustainability

1.Green Protocol Orientation for students was conducted to enlighten the students regarding the protocol



*67: Students taking Green Protocol pledge in their class*

2.Green Protocol audit by Green Police at Teresian Sale-It was ensured that the usage of plastic material is limited during the annual sale conducted by the college alumni. The stalls who participated for the sale was intimidated about it earlier and the students ensured that plastic usage was limited



*68: Green audit of Teresian Sale by student Green Police*

3. Food was served in compostable containers during the convocation day. It helped reduce the plastic waste which is usually piled up after a function such as this.

4. Social media campaigning to spread awareness on various issues: going paperless yet reaching out to many.



5. Green Protocol posters posted at important and visible locations at each floor to spread awareness about the Green Protocol of the college.

**Date: 30/08/2022**

**Time: 3.00pm-4.30pm**

Tide Turners Plastic Challenge, 4th National Youth Summit held in online mode was jointly conducted by UN Environment Programme (UNEP), The Young Leaders Plastic Challenge, Clean Seas, Government of India

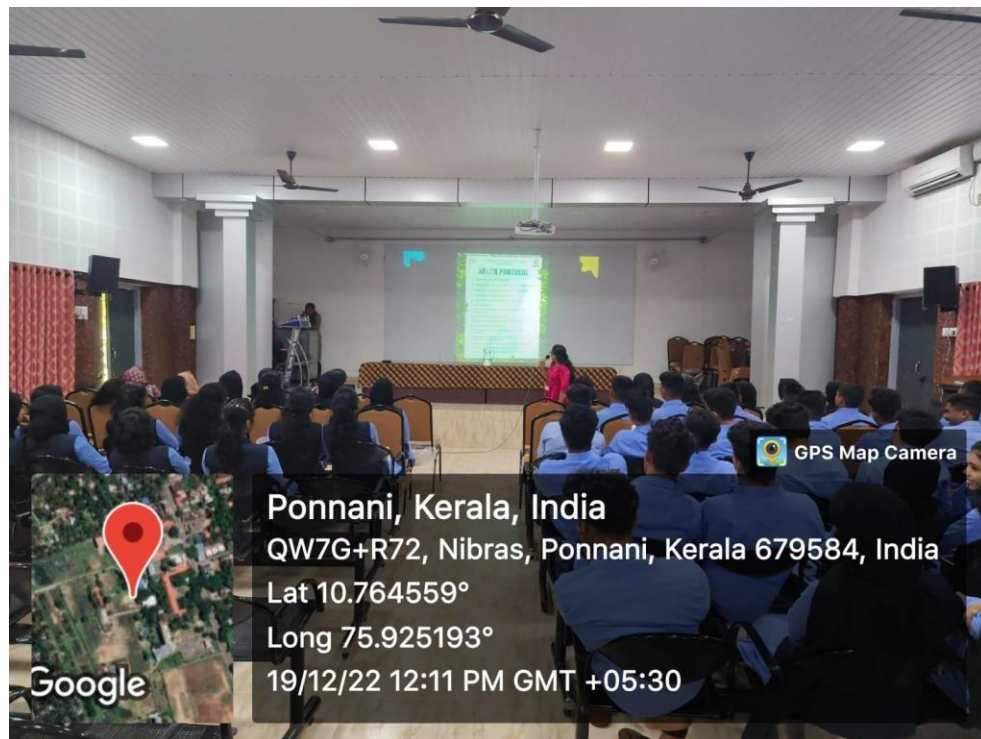


(Ministry of Environment, Forest & Climate change), WWF, CEE (Centre for Environment Education). This is an event where youth from all over India participated. This event was hosted by Mansi Thakkar and Kshitika, two Tide Turner Champions. Event started with a welcome speech by Mr. Athul Bagai (Head UNEP, Country Office, India) on the overview of TTPC & other educational efforts of UNEP in India. Then Mr. Ravi Singh (Secretary General & CEO, WWF India) gave a special address message for youth. Following him Mr. Kartikeya Sarabhai (CEE, India) gave an address speech for the event. After him Ms. Madhavi Joshi (CEE, India) & Ms. Radhika Suri (WWF, India) gave an overview on TTPC flashbacks 2021/2022 and about Chief achievements. Following them Ms. Dhuwarakha Sriram (Chief of YuWaah UNICEF, India) & Mr. Sam Barratt (Chief Environmental Education and Youth Untune) did a Q&A section on 'Investing in youth-what does the youth want?'. After them Mr. Rituraj (Bihar TTC Ambassador) & Ms. Anubha Prasad (General Manager, Small Industries Development Bank of India, and Founder, KareKeBa Ventures, Bihar) shared the story of plastic warriors in Bihar. Following them was felicitation of TTPC champions and Q&A on their success. Following the felicitation Lt. Gen. Gurbirpal Singh (AVSM, VSM, Director General, National Cadet Corps (NCC)) shared the talk about TTPC partnership with NCC Youth in combating plastic pollution. Following him The Chief Guest of the event Mr. Dipak Singh (Additional Chief Secretary, Department of Education, Government of Bihar) gave an addressing speech for the programme. The event was concluded by Ms. Divya Datt (Programme Management Officer UNEP, India) & Ms. Gayatri Raghwa (Consultant Environment Education UNEP, India) with Introducing Phase V of TTPC and with the vote of thanks. The students of BMC from our college took part in this programme.

### **Orientation at MES College, Ponnani**

#### **20 December 2023**

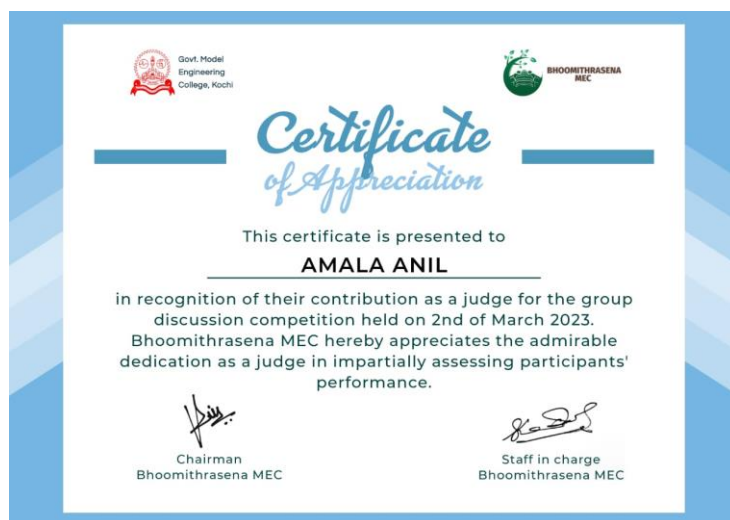
Members of BMC - Kate Roshan and Amala Anil of II BA Economics and Jyothi Lakshmi S Babu of III BA Economics along with faculty member Anjaly Muralidharan conducted an orientation on Green Protocol at MES College Ponnani on 20 December 2022. The team shared the green practices carried out in our campus. Presentations about the green practices were done by the students of MES college.



## **Moderation of GD at Model Engineering College**

**Date: 02/02/2023**

The BhoomitraSena Club of Model Engineering College conducted a group discussion on “Lifestyle for environment” on 2nd of March, 2023. Amala Anil of II BA Economics acted as the moderator and judge for this event and was honored with a certificate. The discussion took place online, commencing at 7 PM and included more than 15 participants. From this group, four winners were selected, with the third position being shared by two members. The discussion lasted for an hour, during which valuable insights were exchanged. Kurias, Joshua, Hridya and Lisa of Model Engineering College were the winners.



## **Participation in workshop on Environmental Audit**

**Date: 13/03/23 - 14/03/2023**

Amina Parvin of I BA Economics attended a two-day workshop on Environmental Audit organised by the NSS Unit and Bhoomithrasena Club of Adi Shankara Institute of Engineering and Technology, Kalady and sponsored by the Directorate of Environment and Climate Change aimed at promoting environmental awareness and energy efficiency.

Sijo George, the Program Coordinator, delivered the welcome address, while Prof. K T Subramanian, the Principal of ASIET, gave the presidential address. Dr. C Jayaraman, the Managing Director of Equinoct, inaugurated the event. The felicitation speeches were delivered by Prof. Adil Nasser, the APJAKTU NSS Energy Cell State Coordinator, and Dr. Mini K D, the Faculty in Charge of the Bhoomithrasena Club at

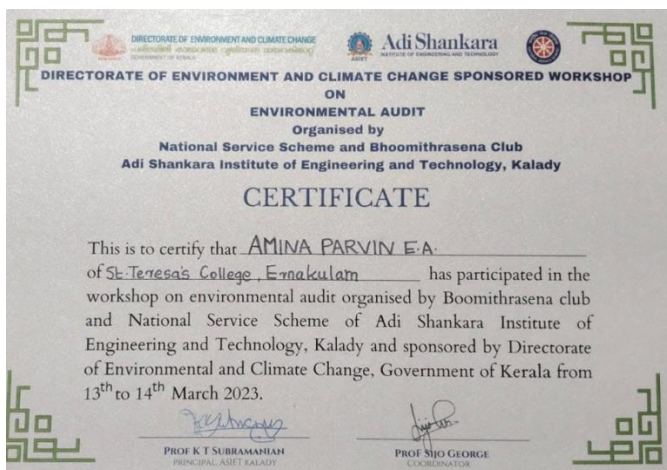


Sree Sankara College Kalady. Mr. Govind, the NSS Volunteer Secretary, expressed gratitude with the vote of thanks.

The first day of the workshop comprised two informative sessions on Environmental Audit. From 10:00 am to 01:00 pm, Dr. C. Jayaraman conducted the first session, emphasizing the importance of saving energy and debunking misconceptions surrounding green energy. Participants gained insights into the truth behind various energy-saving methods. Following this, from 2:00 pm to 4:00 pm, Prof. Adil Nasser conducted a session on Home-Energy audit. Participants received a comprehensive booklet providing details on conducting energy audits in their homes. Prof. Adil Nasser discussed energy and pollution, environmental issues in coal-based power generation, and the significance of energy conservation.

On the second day, Mr. Santhosh A, the CEO of Athul Energy Consultant, conducted a session on Water Audit and Campus Energy Audit from 9:30 am to 12:30 pm. Participants learned about the wastage of water through consumerism, including startling facts such as the immense water consumption required to produce everyday items. For instance, a single pair of jeans requires a staggering 7,600 liters of water during its production. The session emphasized the need for mindful water usage and highlighted the impact of daily behavior on water conservation. From 1:30 pm to 3:00 pm, Prof. Sijo George conducted a Home Energy Audit Analysis session. Participants analyzed their electricity bills and gained insights into various measures to reduce electricity consumption. The session provided practical tips and techniques for optimizing energy usage in homes. The workshop concluded at 3:00 pm with engaging activities, certificate distribution, and words of gratitude expressed by the Principal of ASIET.

The Environmental Audit workshop successfully created awareness about environmental conservation and energy efficiency. The sessions conducted by experts in the field shed light on the importance of saving energy, water conservation, and conducting energy audits in homes. The workshop not only imparted valuable knowledge but also motivated participants to adopt sustainable practices in their daily lives.



## Human Chain against Plastic Pollution

Date: 28/3/2023

The schools and colleges in Kochi City in collaboration with the YouKan HEAL project organized a human chain from St Teresa's College Ernakulam to Gandhi Square. The program aimed at spreading the message “WE CAN HEAL KOCHI” in light of the Brahmapuram Fire incident. The program started at 8:30 am. A pledge to protect the city from all types of environmental pollution and destruction was also taken by the participants. The honorable mayor of Kochi M. Anil Kumar, MJ Jomy, Educational Standing Committee Chairman, Rani Kutty George, Development Standing Committee Chairman, Hendry Austin, Sethu Raman IPS the City Police Commissioner along with other dignitaries participated in the event. Dr Nirmala Padmanabhan, Dean of Extension activities, spoke at the event. Students from different schools and colleges in and around Kochi Participated in the event.



*69: Students participated in the human chain and took the pledge against environmental pollution*



# Shortlisting for Green Gown International Awards

St. Teresa's College (Autonomous) Ernakulam was selected as a Finalist for the prestigious International Green Gown Awards 2023 by the UNEP under the categories 'Benefitting Society' and 'Next Generation Learning and Skills'. The International Green Gown Awards, in association with Allianz Global Investors, are supported by UN Environment Programme and are open to any university or college across the world. The Green Gown Awards recognise the exceptional sustainability initiatives being undertaken by universities and colleges across the world. The awards are endorsed by United Nations Environment Programme and are supported by The Association of Commonwealth Universities (ACU), L'Agence universitaire de la Francophonie (AUF), International Association of Universities (IAU) and Higher Education Sustainability Initiative (HESI).

Over the years, the Bhoomitrasena Club (BMC) of the college has championed the cause of environmental protection by implementing sustainable practices on campus through water management, energy conservation, and greenery management. The Teresian Karshakasree Challenge of the Bhoomithra Sena Club, an endeavour set forth to explore the organic and eco-friendly approaches to farming for the undergraduate students of the college is shortlisted under the 'Next Generation Learning and Skills' category. Link to Green Gown Awards page: <https://www.greengownawards.org/stteresa-s-college-india1>



in association with



**NEXT GENERATION LEARNING & SKILLS**

American International University, Bangladesh (x3)	The University of Faisalabad, Pakistan
✓ St. Teresa's College, India	University of Tasmania, Australia
Government College Women University Faisalabad, Pakistan	The University of Queensland, Australia
Kenyatta University, Kenya	ESSEC & CY Cergy Paris Université, France
Fudan University, China	Reaseheath College, United Kingdom
Centro Universitário Facens, Brazil	Brunel University London, United Kingdom
Corporación Universitaria Minuto de Dios, Colombia	

in partnership with



The Society of Teresians for Environment Protection (STEP) which aims at the reduction in usage of plastic carry bags through the popularisation of eco- friendly alternatives designed by students of the college and made by Kudumbashree units (women's community network) is shortlisted under 'Benefitting Society' category. Link to Green Gown Awards page: <https://www.greengownawards.org/stteresa-s-college-india>



The primary goal of the initiatives is to groom the youth as environmentally conscious and socially responsive citizens and motivate them to becoming Green Ambassadors in their respective localities by contributing to activities aimed at ecosystem restoration. This is in consonance with the UNEP's call for 2021-2030 to be recognized as the Decade of Ecosystem Restoration. YouTube link: [https://youtu.be/\\_XJkURDtJ-E](https://youtu.be/_XJkURDtJ-E)