



Parvatibai Chowgule College of Arts and Science

Autonomous

Accredited by NAAC with Grade A⁺ (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)



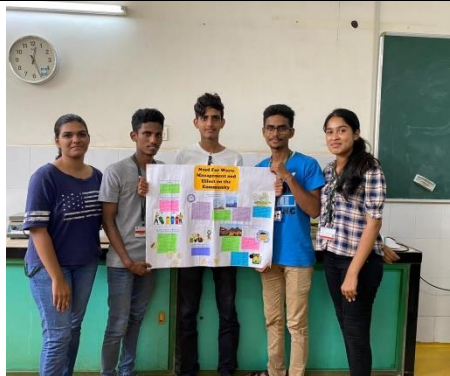
Best affiliated College-Goa University Silver Jubilee Year Award




DEPARTMENT OF ZOOLOGY

GREEN INITIATIVES/ ENVIRONMENT PROTECTION INITIATIVES

BY STUDENTS OF SKILL ENHANCEMENT COURSE ON WASTE MANAGEMENT TECHNIQUES

Guiding teachers: Ms. Shalma Mascarenhas, Ms. Gautami Manakikar and Ms. Prasanna Naik Gaonkar

NAME OF THE STUDENTS	DETAILS	PHOTOGRAPHS
1.Sadiya Khan 2.Shannon Vaz 3.Shrestha Dessai	<p>AWARENESS ON VERMICOMPOSTING</p> <p>To promote awareness on the importance of vermicomposting, students used posters to explain the various steps involved in the vermicomposting procedure. The main aim of this activity was to encourage the use of small-scale vermicomposting among the college students.</p>	 
1.Shaishama Dessai 2.Veddhant Parab 3.Alic Carvalho 4.Aman Chikodi 5.Salome Noronha	<p>AWARENESS ON WASTE MANAGEMENT</p> <p>The students used posters in order to create awareness on the management of waste. They explained the college students about the various types of waste generated on daily basis by an individual. Students were also informed about the techniques of waste management. They emphasized on the hazardous effects of the waste on the environment and suggested ways to practice waste segregation and various</p>	

	<p>waste disposal methods to be practiced at home.</p>	
<p>1.Veda Khandeparker 2.Ritu Arlekar 3.Chetana Vernekar 4.Gopal Sawant 5.Amogha Pai Angle</p>	<p>AWARENESS ON E - WASTE</p> <p>The students used posters in order to create awareness on the management of E-waste. They explained the college students about the various sources of E-waste. Students were also informed about the techniques of waste segregation. They emphasized on the hazardous effects of the E-waste on the environment.</p>	 
<p>1.Siya Phal Desai 2.Saleel Mujawar 3.Swetha Rodrigues 4.Damodar Vengurlekar 5.Trilok Singh</p>	<p>AWARENESS ON VERMICOMPOSTING</p> <p>To promote awareness on the importance of vermicomposting, students used posters to explain the various steps involved in the vermicomposting procedure. The main aim of this activity was to encourage the use of small-scale vermicomposting among the college students. They encouraged other students to practice it in their house, as vermicomposting not only helps in eliminating kitchen waste but also produces organic manure that can be used as a natural fertilizer in their garden.</p>	 

<ol style="list-style-type: none"> 1.Carol Fernandes 2.Chandni Thakkar 3.Samarth Sawant 4.Prachi Naik 5.Om Wadolkar 	<p style="text-align: center;">AWARENESS ON LANDFILL</p> <p>The students created awareness on landfill as a method of waste disposal with the help of posters. They explained the importance of the method. The different layers of landfill were explained to the college students. The students also informed about the adverse effects caused on the environment and human health by the waste generated.</p>	 
<ol style="list-style-type: none"> 1.Akilah Falcao 2.Shruti Arolker 3.Sara Shaikh 4.Preety Sharma 	<p style="text-align: center;">AWARENESS ON BIO-MEDICAL WASTE MANAGEMENT</p> <p>To promote awareness among the college regarding the effect of bio-medical on the environment and humans, the students used posters. Students were also informed about the techniques of bio-medical waste segregation and safe disposal. They emphasized on the hazardous effects of the Bio-medical waste on the environment caused due to an increase in the waste generation at the hospitals due to the current pandemic situation.</p>	 
<ol style="list-style-type: none"> 1.Chelsea Dias 2.Khushi Prabhu Desai 3.Deeptanshu Pradhan 4.M Ruveen 	<p style="text-align: center;">AWARENESS ON SEWAGE TREATMENT</p> <p>To promote awareness among the college students regarding the various methods of sewage treatment and disposal, the students used posters to explain the different techniques for safe treatment and disposal of sewage. The students also emphasized on the adverse effects caused due the lack of waste treatments methods on our environment.</p>	 



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade A' (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

DEPARTMENT OF ZOOLOGY

GREEN INITIATIVES/ ENVIRONMENT PROTECTION INITIATIVES

**BY STUDENTS OF SKILL ENHANCEMENT COURSE ON WASTE
MANAGEMENT TECHNIQUES**

Guiding teachers: Ms. Shalma Mascarenhas, Ms. Gautami Manakikar and Ms. Prasanna Naik Gaonkar

Title:	Vermicomposting
Date and year:	13 th May 2022
Venue:	Parvatibai Chowgule college campus
Resource person/s:	-
Organising Committee	Department of Zoology
No. of Participants	32
Objective:	To encourage the students to use and promote vermicomposting as an ideal way of managing kitchen waste.
Summary of the proceedings	The faculty members of the Department of Zoology explained the procedure of vermicomposting to the SEC students. The students were given instructions on how to maintain ideal environment for the compost earthworms in the vermicompost bin. The students were divided in groups to water the bin regularly. The objective of the activity was to generate interest of students in an easy way of managing the kitchen waste and to convert it into nutrient rich manure. The students were also made aware of the demand

of compost in the market and they were encouraged to maintain a vermicompost bin at home.

Photographs





Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade A' (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

DEPARTMENT OF ZOOLOGY

GREEN INITIATIVES/ ENVIRONMENT PROTECTION INITIATIVES

**BY STUDENTS OF SKILL ENHANCEMENT COURSE ON WASTE
MANAGEMENT TECHNIQUES**

Guiding teachers: Ms. Shalma Mascarenhas, Ms. Gautami Manakikar and Ms. Prasanna Naik Gaonkar

Title:	Webinar on 'Waste Management Practices'
Date and year:	28 th May 2022
Venue:	online
Resource person/s:	Mr. Vighnesh Shinde, project assistant at Mineral Foundation Goa
Organising Committee	Department of Zoology, Goa University
No. of Participants	32
Objective:	To sensitise students on the importance of waste management.
Summary of the proceedings	The Department of Zoology, Goa University in collaboration with Swachh Bharat Summer Internship organized a webinar on "Waste Management Practices" on 28 th May 2022. The resource person, Mr. Vighnesh Shinde highlighted the role of human population in the waste generated and the effect of plastic waste on the wildlife. Millions of tons of plastic is dumped into the ocean every year. This plastic travels to isolated and excluded places such as islands and forests. The rare exotic birds are attracted to the brightly colored plastics and consume it considering them to be food. These plastics end up choking the birds or causing stomach issues, leading to death. He concluded by discussing the projected quantity of plastic used every day and the methods that can be used to reduce the total waste generated by focusing on the 5Rs of Waste Management instead of the conventionally used 3 R's; There were: Reuse, Recycle, Reduce, Refuse, and Rethink. The session was very interactive and informative videos were shown on effects of waste on wildlife.

Photographs



Eco-minions

We the students of Department of Zoology, Goa University
In collaboration with
SBSI (Swachh Bharat Summer Internship)
are glad to organise

A webinar on the topic
WASTE MANAGEMENT PRACTICES



BY MR. VIGHNESH SHINDE
Project Assistant, Mineral foundation of Goa

Registration link: <https://surveyheart.com/form/628cc3fb41ccd870c6febc7>
Google meet link: <https://meet.google.com/dwo-ccni-qab>

Hoping for your active participation!

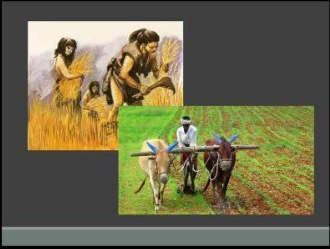
E-certificates will be provided to the participants

DATE: 28 MAY 2022
TIME: 10:00AM-12:00PM



10:17 AM // 54.6KB/s

dwo-ccni-qab



Vighnesh is presenting

Vighnesh

PMCS_FYBS...

You

More 45 others



Parvatibai Chowgule College of Arts and Science

Autonomous

Accredited by NAAC with Grade A' (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)

Best affiliated College-Goa University Silver Jubilee Year Award

DEPARTMENT OF ZOOLOGY

GREEN INITIATIVES/ ENVIRONMENT PROTECTION INITIATIVES

BY STUDENTS OF SKILL ENHANCEMENT COURSE ON WASTE MANAGEMENT TECHNIQUES

Guiding teachers: Ms. Shalma Mascarenhas, Ms. Gautami Manakikar and Ms. Prasanna Naik Gaonkar

Title:	Workshop 'Trash to Treasure'
Date and year:	28 th May 2022
Venue:	Parvatibai Chowgule campus (Zoology lab)
Resource person/s:	Department faculty
Organising Committee	Department of Zoology
No. of Participants	32
Objective:	To develop skill in reusing waste and to encourage students to take up such activities from economic point of view.
Summary of the proceedings	An average glass bottle decomposes in roughly 4000 years. The activity was conducted to reuse and upcycle glass bottles by painting them. The main aim of this activity was to promote the reuse of waste glass bottles and to also build a new skill of bottle painting using decoupage technique in the students. This activity required paying close attention to detail and learning a new type of artwork that allows us to save time, money and resources. In a larger economic sense, painting glass bottles and turning them into a business may make these beautiful handmade items available to consumers while also producing jobs and commercial activity that benefits the economy.

Photographs





STEP 1

Thoroughly cleaned an old, unused glass bottle.

STEP 2

Used a sponge or daubers to paint the bottles with white fabric paint or chalk paint.



STEP 3

Allow it to dry before applying two more coats.



STEP 4

Picked patterns from decoupage paper and carefully cut them.



STEP 5

Glue and a paint brush were used to gently glue the designs and patterns.





Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade A' (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

DEPARTMENT OF ZOOLOGY

GREEN INITIATIVES/ ENVIRONMENT PROTECTION INITIATIVES

**BY STUDENTS OF SKILL ENHANCEMENT COURSE ON WASTE
MANAGEMENT TECHNIQUES**

Guiding teachers: Ms. Shalma Mascarenhas, Ms. Gautami Manakikar and Ms. Prasanna Naik Gaonkar

Title:	Handmade paper making activity
Date and year:	20 th May 2022
Venue:	Parvatibai Chowgule college campus
Resource person/s:	-
Organising Committee	Department of Zoology
No. of Participants	32
Objective:	To encourage the students to recycle paper and reduce the waste generated.
Summary of the proceedings	The faculty members of the Department of Zoology explained the procedure of making handmade paper to the students of the skill enhancement course. The list of requirements was provided to students prior to the session. The students were taught the procedure of recycling waste paper into a colourful paper. Students used natural dyes to dye the paper. The objective of the activity was to generate interest of students in reusing paper and also to sensitize them on waste management.

Photographs

HANDMADE PAPER

- 

1 Collecting waste paper and tearing them up into smaller pieces
- 

2 Letting them soak in water for about 2 hours
- 

3 Using a blender to blend this into a pulp.
- 

4 Adding the pulp and water into a container and using a strainer to collect some of the mixture.
- 

5 Transferring this facedown on a cloth and dabbing it with a towel
- 

6 Gently Lifting the strainer and letting the paper dry

HANDMADE




Report on community outreach programme-

Kitchen waste management-

Survey was conducted from 17th to 30th April 2022. 50 houses were surveyed through questionnaire on the topic kitchen waste management. Total of 10 questions were asked and address, name of the subject was recorded. The answers were recorded through excel sheets. The main objective of the survey was to know the extent of knowledge of people on this topic, along with knowing the disposal system in the area. Composting and waste borne diseases were covered through this topic. Dos and don'ts of kitchen waste management were explained to people as a part of the survey.

Pictures-



