

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

GREEN INITIATIVES

2020-2021



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GREEN INITIATIVES / ENVIRONMENT PROTECTION INITIATIVES -2020-2021 BY

STUDENTS OF SEC COURSE ON WASTE MANAGEMENT TECHNIQUES

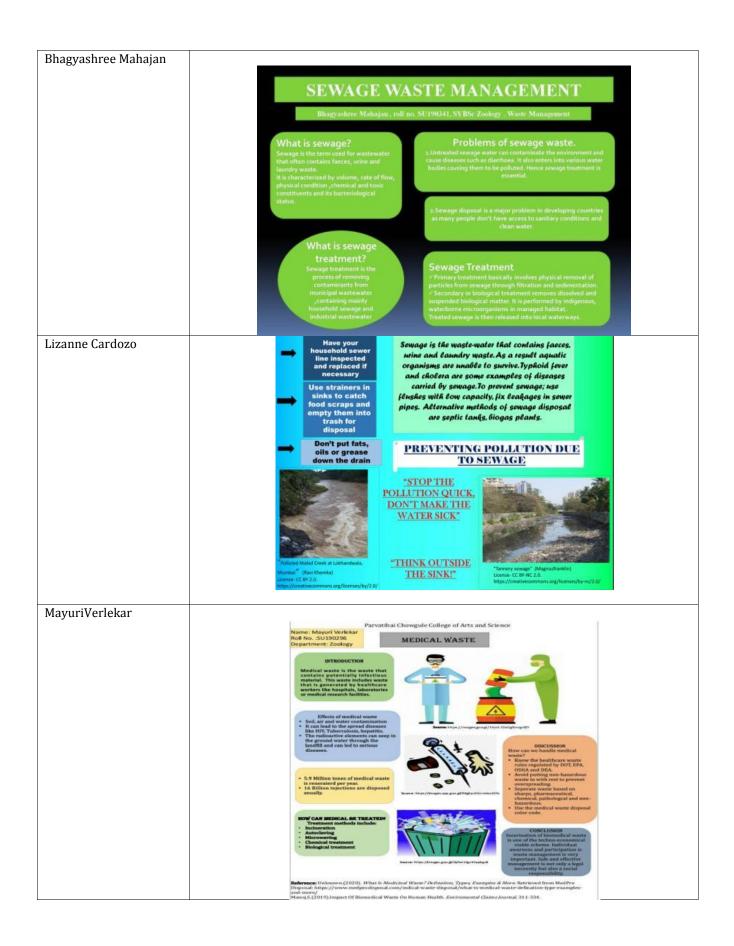
Guiding teachers: Dr. Nandini Vaz Fernandes, Ms. MadhuBalekai, Ms. Tessa Vaz & Ms. Gautami Manakikar

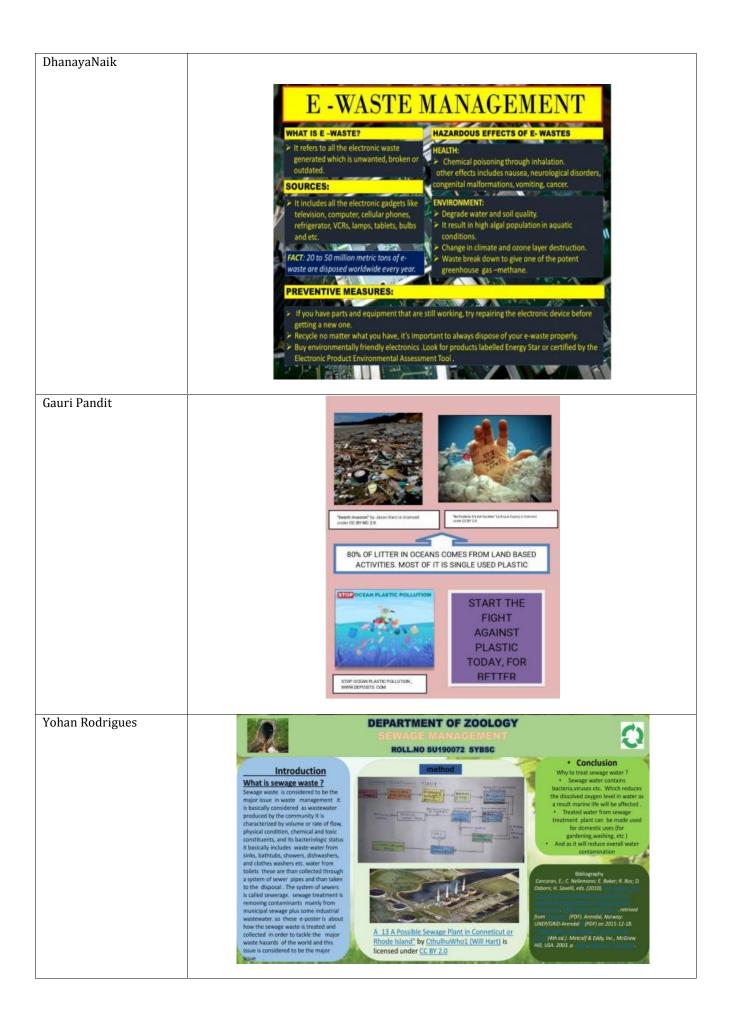
E-POSTERS: The SEC students designed E-posters in order to create awareness on the various Waste Management techniques. The students used posters to explain about the adverse effects caused on the environment and human health by the waste generated. They also created awareness on the different sources of waste and how one can segregate and dispose the waste safely without harming the environment. They emphasized on the hazardous effect of E-waste on the environment and suggested methods of disposing the E-waste generated. The main aim of this activity was to reignite the awareness regarding the ill aspects of improper waste management.

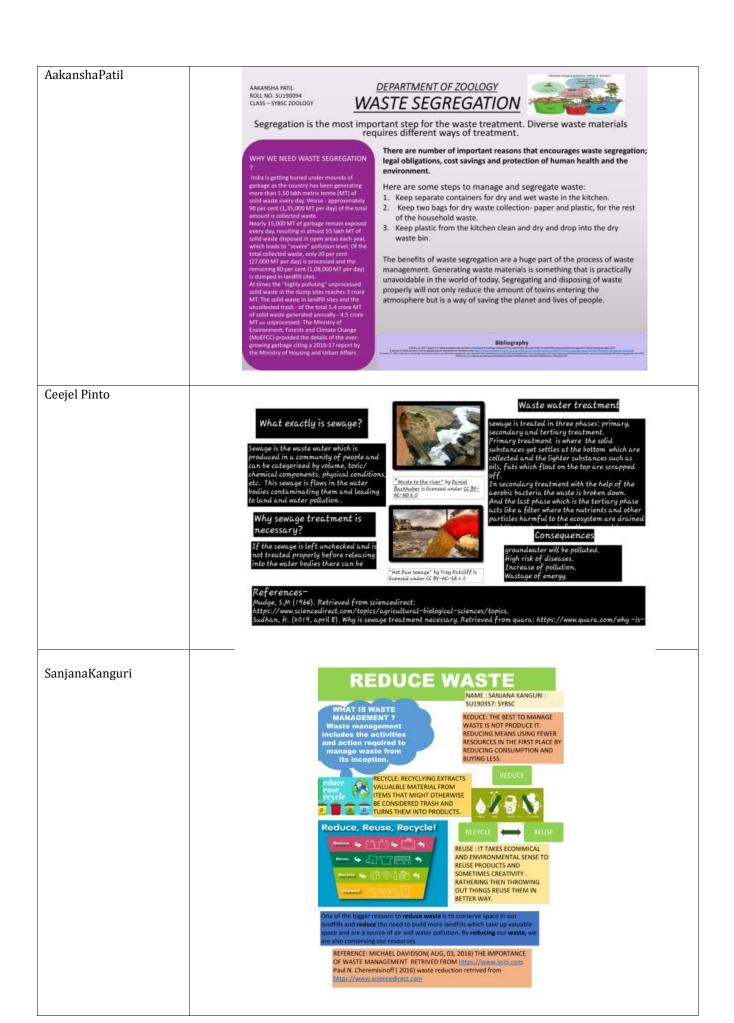
NAME OF STUDENT	PHOTOGRAPHS
Stena Rebello	Prevention of soil pollution State Scales Scales States Sail pollution is the degradation or destruction of earths surface and sell as a resolt of human activity, formus pollutaria reduce the the soil and make it inhabitable for incorregations Counge in climatic patterns anisometric patterns anisome
Tahoora Shaikh	WASTE MANUAL TRANSPORTATION OF EXCELLANCE AND AGENCY TO AND AGENCY TO AND AGENCY TO AND AGENCY TO AGENCY T



AnushaRaut SOLID WASTE MANAGEMENT DEPARTMENT OF ZOOLOGY NAME: ANUSHA RAUT ROLLNO: SU190064 CLASS: SYBse INTRODUCTION METHODS OF SOLID WASTE MANAGEMENT CONCLUSION NINCOSCION NINCOSCION Solid waste management is the process of collecting and treating solid wastes. Solid wastes are generated from municipal, industrial, and agricultural activities. The waste can be collected by door-to-door collection method, community bins are placed in the locality. After collection, me solid waste is transporated wia trucks and then it can be treated to reduce the total volume and weight of the materials. This treatment changes the form of the waste and makes it easier to handle. The methods of solid waste management includes sanitary landfills, composting, incineration, pylosis. CONCLUSION Waste management is an important element of environmental protection. The improper disposal of solid waste can create uninygienic conditions which can lead to poliution and various disease. Using recovered material generates less solid waste. The samilary landfill method is most preferred waste management method. Sanitary landfill It is the most common method of solid waste management. The landfills are designed in such a way that the bottom of the landfill is covered with an imperious liner, which is made up of several layers of thick plastic and sand. This liner protects the ground water from being contaminated because of leaching. When the landfill is full, it is covered with the layers of soil and clay to prevent seepage of water. Nathanson, J. A. (2020, november 10), solid waste management. Retrieved from britannica: https://www.britannica.com/tec/hnology/solid-waste-management. Oxide Waste Management, (n.d.). Retrieved from tutorialspoint: https://www.tutorialspoint.com/environmental/subdies/solid_waste_management_ Fig: sanitary landfill Author: kot-coll Source https://live.staticflickr.com/7195/7000513786_4 e183bcf/9.jpg License: CC-BY-NC-SA2.0 Incineration In this method the solid waste are burnt at high temperature. It is burned inside a property designed furnace under very controlled conditions. The volume of the combustble waste is reduced considerably by burning waste. In the case of off-liste pits, it is an most appropriate method to minimize scavenging. SOURCES OF SOLID WASTE solid waste. Others include industrial, Commercial, construction and demolition areas. DEPT OF ZOOLOGY [SEC-WASTE MANAGEMENT] VineetNerurkar MANAGEMENT OF MEDICAL WASTE Vineet nerurkar -SU190298 SYBSC Medical waste is a subset of wastes generated at health care facilities, such as hospitals, physicians' offices, dental practices, blood banks, and veterinary hospitals/clinics, as well as medical research facilities and laboratories. "Auguma 2 dumps happidous medical waste at hystothof Affe is incerned with CC (IV 26) To seen a copy of this statue, visit has a fine augumentum any floreness by 200 Alternative Treatment and Disposal Technologies for Medical Waste conclusion Thermal treatment, such as microwave technologies; Steam sterilization, such as autoclaving; Electropyrolysis; and Chemical mechanical systems, among others. There is lack of sufficient knowledge among dental students regarding management of biomedical waste and recycling or reusing of dental materials. Considering its impact on the environment, biomedical waste management requires immediate academic assessment to increase the REFRENCE Medical Waste (2017, November 07), Rel December 03 2020, from https://www.epa.gov/rcra.lmedi awareness during training courses. Int Soc Pre unity Dent. 2016 Sep-Oct. 6(5) AkarshaFaldessai TYPES OF COMPOSTING

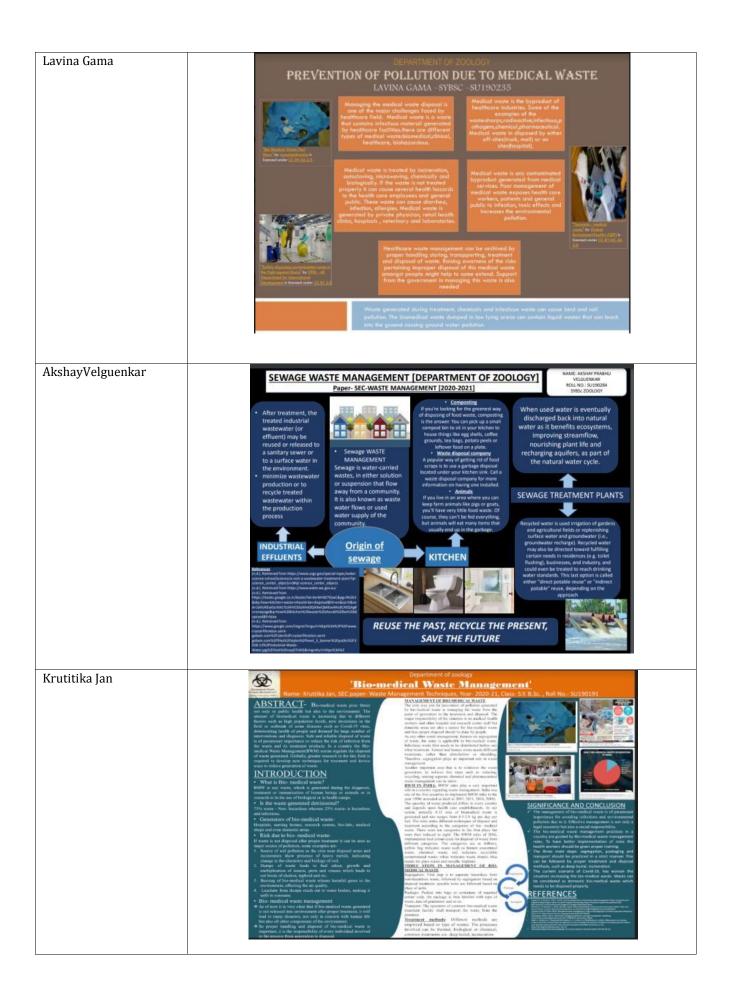


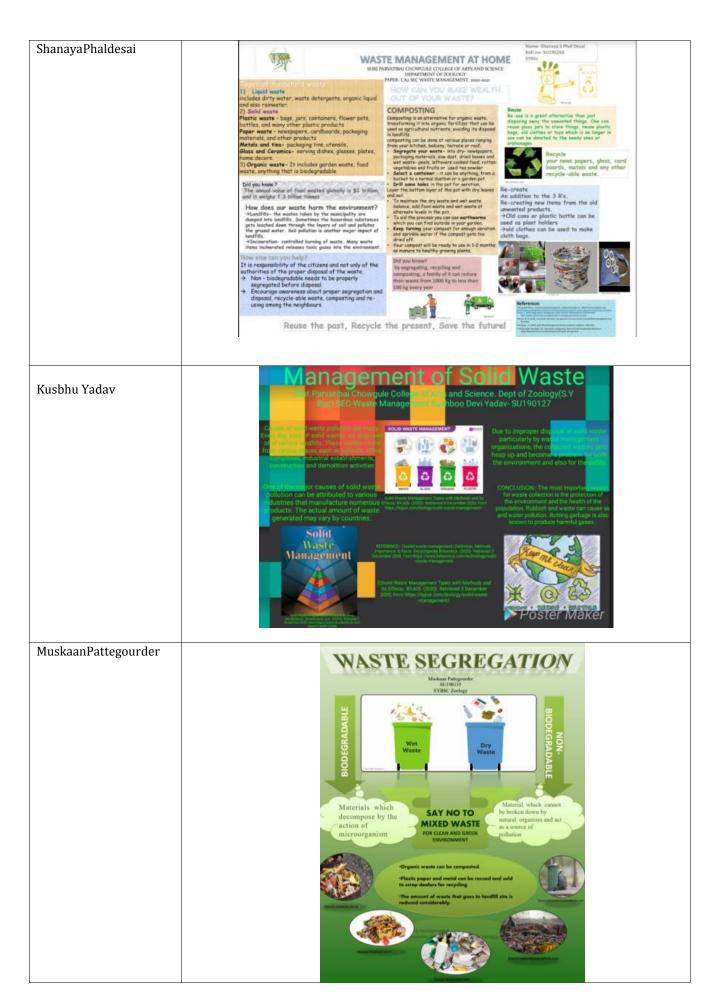


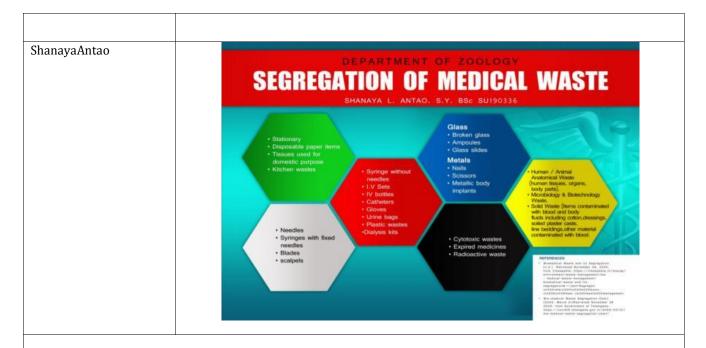












ORGANICCOMPOSTING: Organic composting mainly reduces the amount of organic waste generated. It cuts down the usage of chemical fertilizers and is used to remediate soils contaminated by hazardous waste. The students were explained the basic concept of organic composting and were given instructions on how to prepare kitchen compost effectively at home. The main aim of this activity was to encourage the students to use and promote organic composting as an ideal way of managing kitchen waste.





HANDMADE PAPER: As handmade papers are made from recycled papers, it is an effective method of decreasing the amount of waste generated. The use of recyled paper also reduces the number of trees cut down and promotes sustainable development. Handmade paper can be used to make diverse products such as bags, diaries, envelopes, packaging, office accessories and even cards. The students were given instructions on the process of handmade paperand encouraged to create various products using it. The main aim of this activity was to promote recycling paper and reduce the amount of waster generated.







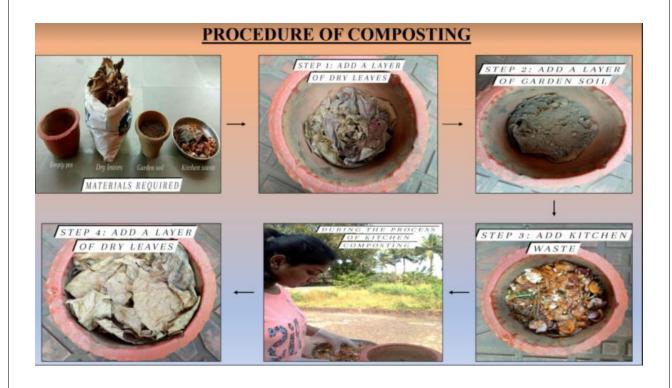
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REPORT OF MANGROVE DAY CELEBRATION			
Title:	Mangrove day Celebration		
Date and year:	26th July 2021		
Date and year.	26 th July 2021		
Resource person	Department Of Zoology		
Organising	Department of Zoology And Mangrove Society of India		
Committee			
No. of Participants	15		
Objective	To spread awareness on the importance of mangrove diversity.		
Summary of the	Department of Zoology organised competitions for the students on		
proceedings	the occasion of World Mangrove Day on 26th July, 2021 in association		
	with Mangrove Society of India. Slogan writing, Elocution competition		
	and photography competition were organized for students of BSC		
	Zoology.		
	Winners of the competitions:		
	i. Slogan Competition: The theme of the competitions was		
	"Conservation of Mangrove ecosystem".		
	Best slogan: Ms. Shanaya Phal Desai – SYBSc Zoology		
	ii. Elocution competition:		
	<i>Topic</i> : 1. Threats to mangrove ecosystem.		
	2. Importance of Mangrove.		
	3. Issues and challenges of mangrove conservation.		
	Best elocution: Ms. Shanaya Phal Desai – SYBSc Zoology		
	iii. Photography Competition : Theme "Mangrove Fauna"		
	Best photograph: Ms Antara Poi Raiturker- TYBSc		
	Zoology		
Photographs			







Parvatibai Chowgule College of Arts & Science (Autonomous)
According by NAAC with Grade A: @ 1276 of 542 on a 4 point scale!
Not All Bland College Con University, School Schille Visio Asset!

DEPARTMENT OF ZOOLOGY
IN ASSOCIATION WITH

MANGROVE SOCIETY OF INDIA

VE SOCIETY OF

MANGROVE DAY CELEBRATION-2021

ELOCUTION COMPETITION

SLOGAN WRITING

MANGROVE DAY CELEBRATION-2021

COMPETITION

THEME: CONSERVATION OF MANGROVE ECOSYSTEM

GUIDELINES:

- 1. Number of entries per participant: 01
- 2. The slogan must illustrate and emphasize on the theme
- 3. The entries must be submitted in A3 size paper.
- 4. The slogan must be short, creative and original.

LAST DATE OF SUBMISSION: 24^{TH} JULY 2021 SUBMIT THE SLOGAN AS A SOFT COPY TO ZOOLOGY@CHOWGULES.AC.IN

COMPETITION

MANGROVE DAY CELEBRATION-2021

PHOTOGRAPHY

THEME: MANGROVE FAUNA

GUIDELINES:

- 1. NUMBER OF ENTRIES PER PARTICIPANT: 01
- 2. SIZE OF THE PHOTOGRAPH: A4 (PORTRAIT/LANDSCAPE SHOTS ACCEPTED)
- ADD A SUITABLE CAPTION FOR THE PHOTOGRAPH BASED ON THE THEME.

LAST DATE OF SUBMISSION: 24TM JULY 2021

GUIDELINES:

- 1. Make a video on any one
- topic from the list mentioned.

 2. Video should not exceed 01
- 3. The video can be in

English/Konkani/Marathi.





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NSS ACTIVITY REPORT

Parvatibai Chowgule College of Arts and Science, Autonomous

- Title of the Activity: Sapling plantation on the occasion of World Environment Day
- **Date**: 05th June 2021

NSS volunteers clicked a Photo/recorded a Video while planting the sapling and shared it on the social media platform.

Student Volunteers	Male	Female	Total
	15	89	104

Some of the screenshots of the Photo/Video shared on social by by NSS volunteers while planting the sapling

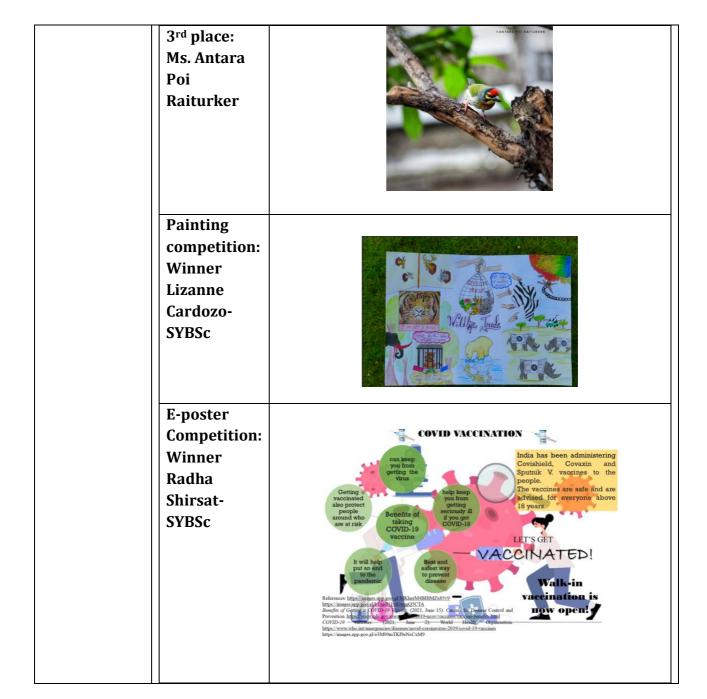


Report made by: Dr. Mayuri Naik, NSS Programme Officer



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Title:	Departmental	activity	
Date and year:	20/06/2021- 22/06/2021		
Resource	Department of Zoology		
person/s:			
No. of	31		
Participants			
Objective:	To sensitise the students on the importance of wildlife, Covid vaccination		
_	and wildlife trac		
Summary of	_	Coology organised competitions for the students as a part of	
the	departmental activity in the month of June from 20-06-2021 to 22-06-2021.		
proceedings	Photography, poster and painting competitions were organized, in which 15 students actively participated. The theme of the competitions were 'My backyard wildlife', 'Importance on covid vaccination' and 'wildlife Trade' respectively. Winners of the competitions: Photography Competition: 1st place: Mr. Akshay Velguenkar- SYBSc 2nd place: Ms. Ferzeen Shaikh- TYBSc 3rd place: Ms. Antara Poi Raiturkar-TYBSc Painting competition: Best painting: Lizanne Cardozo, SY BSc E-Poster Competition: Winner:Radha Shirsat - SYBSc		
Photographs	Name of the	Photograph	
	participant		
	1st place: Mr. Akshay Hanumanth Velguenkar 2nd place: Ms. Ferzeen		
	Shaikh		



Report of World Environment Day

NSS unit of Parvatibai Chowgule College of Arts and Science, Autonomous organised Poster making event for NSS volunteers on the occasion of "World Environment Day" on 5th June 2020. The main theme for the event was "Time for Nature" with sub themes being a) Environmental Awareness, b) Man-Environment relationship and c) Changing Environment and Natural disaster. Total 26 posters were received from 25 NSS volunteers (23 female and 02 male) who participated in this event.

Dr. Nandkumar Sawant was invited as a Resource Person and delivered a talk on **Rejuvenating the coastal landscape** at the international webinar on Time for Nature, Post COVID-19 challenges to environmental challenges, organized by CHEC – INDIA, Jaipur on 5th June, 2020 on the eve world environment day.

Dr. Nandkumar Sawant was invited as a Resource Person and delivered a talk on Perspectives of Sustainable Tourism on 9th June 2020 organised by Shristi Nature club, PES College, Farmagudi.

Dr. Mayuri M. Naik, NSS Programme Officer conducted a 2 hour online workshop on **Swachhta and Jalshakti** (Under Online Workshop on Swachhta Action Plan, an initiative by Mahatma Gandhi National Council of Rural Education) for NSS volunteers on 23rd June 2020. Total 24 NSS volunteers (24 female, 0 male) participated in this online workshop.



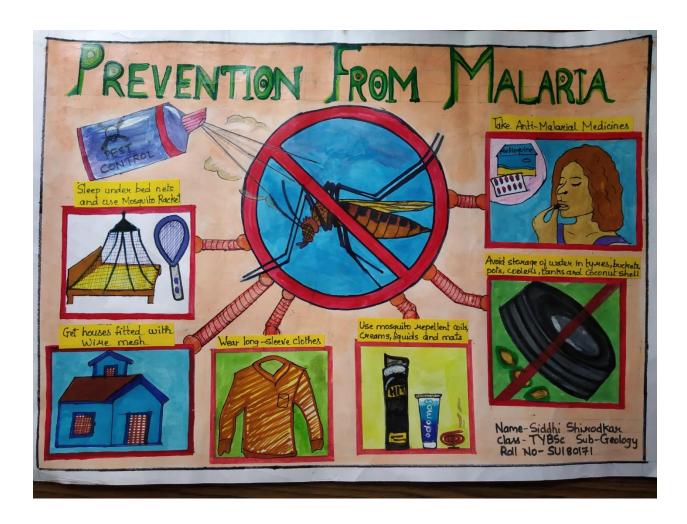


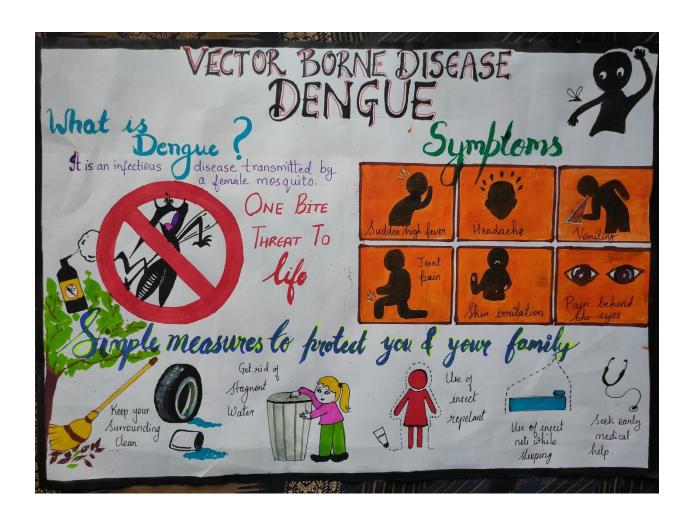


Report- Posters on Vector borne diseases

Date of submission:09/10/2020

NSS Volunteers participated- 37 Female- 37 Male- NIL









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REPORT OF FACULTY PARTICIPATION		
Title:	'Bird Walk'	
Date and year:	05 th to 07 th February 2021	
Organising	Goa Forest Department	
Committee		
No. of Participants	25	
Objective	To expose students to various birds found at carambolim and maina	
	Curtorim.	
Summary of the	Dr. Nandini Vaz Fernandes and Mr. Stephen Dias, Department of	
proceedings	Zoology coordinated the 'Bird Walk' organised by Goa Forest	
	Department from 05th to 07th February 2021. Bird walks were	
	conducted at two sites viz. Carambolim Lake and Curtorim-Raia Lake	
	(Maina-Curtorim Wetland Complex). Mr. Stephen Dias, Ms. Gautami	
	Manakikar, Ms. Prasanna Naik Gaonkar and Ms. Pratibha Tripathi	
	conducted the birdwalks for the general public on behalf of the forest	
	department.	

Photographs







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	REPORT OF FACULTY PARTICIPATION		
Title:	Pre-Bird Festival Webinars'		
Date and year:	29 th to 31 st January 2021		
Organising	Goa Forest Department		
Committee			
Resource person:	Dr. Nandini Vaz Fernandes		
	Parag Ragnekar		
	Amit raj		
	Golda DaCosta		
	Shalma Mascarenha		
	Pronoy Baidya		
	Jalmesh Karapurkar		
No. of Participants	60		
Objective	To understand the biodiversity conservation-prospects ar		
	challenges		
Summary of the	Dr. Nandini Vaz Fernandes, Associate Professor, Department of		
proceedings	Zoology was invited as a resource person by Forest Department,		
	Govt. of Goa, for the 'Pre-Bird Festival Webinars' organised from 29th		
	to 31st January 2021. Her session on "Introduction to Birdwatching"		
	was the opening session of the Pre-bird festival, which was live		
	streamed for general public all over Goa. The Pre-Bird Festival was		
	organised by Forest department as an initiative to create awareness		
	on the importance of bird conservation and to share the knowledge		
	of various birds and their role in the environment and the benefits		
	birding		

Photographs



Goa Forest Department

Presents

Pre-Bird Festival Webinars

29 Jan- 01 Feb 2021



Dr. Nandini Vaz Fernandes An Introduction to Birdwatching 29 Jan-15:30-16:30



Bird Diversity of Goa and its potential as a bird tourism hotspot 29 Jan-16:30-17:30



Shalma Mascarenhas **Endemic Birds of Western Ghats** in Goa 30 Jan-15:30-16:30



Birds in Reels 30 Jan-16:30-17:30



Birding for a Better Tomorrow 31 Jan-16:30-17:30



Wetland Birds of Goa 01 Feb-15:30-16:30



Jalmesh Karapurkar Denizens of the Night: Night Birds of Goa 01 Feb-16:30-17:30



Goa Forest Department

Presents

Pre-Bird Festival Webinars

29 January 2021



Dr. Nandini Vaz Fernandes An Introduction to Birdwatching 15:30-16:30



Parag Rangnekar Bird Diversity of Goa and its potential as a bird tourism hotspot 16:30-17:30

Live Streaming on



https://www.facebook.com/100180528770151/live/