

7.1.6 Quality audits on environment and energy are regularly undertaken by the institution. The institutional environment and energy initiatives are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities.**

Link content: Audits are regularly undertaken by our college. During the pandemic and during the transition to normal college functioning, audits were not conducted in 2021-22.

BEACH CLEANING AND SNACKS DISTRIBUTION

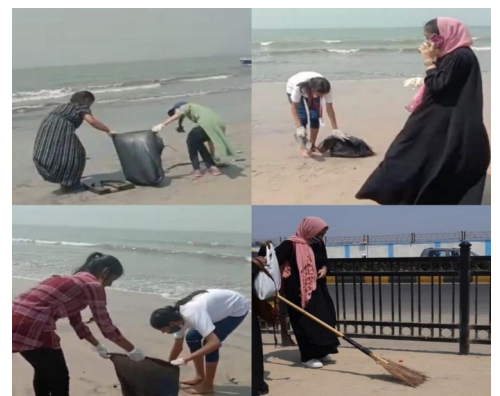
The Environment Project seeks to inspire and empower individuals that are helping to drive the movement for environmental awareness and the fight against climate change. Through building our communities, we can generate more action. A youth-led organization dedicated to empowering other young and aspiring climate activists and leaders in order to create a better, cleaner, greener and more sustainable future.

We celebrate World Environment Day on 5th June. A clean environment is one that is void of any form of pollution and its effect. Hence it could be an environment that has clean air, clean water, and clean energy. Basically, it is a healthy and safe environment. Very commonly a clean environment is also considered as one that is tidy. This is achieved by implementing proper housekeeping methods. Having someone clean, sweep, mop, and clear clutter help in ensuring tidiness. While there are human factors that contribute to making our environments unclean, there are also a number of natural factors we battle against that make our environments unclean and unsafe for us. Maintaining a clean environment is an absolute necessity. It may seem a costly endeavor at times, but when considering the toll it can take on productivity, the merits definitely will outweigh any cost. You should always seek ways of solving Pollution and Cleanliness problems in the Environment.

Background Work (Preparation of Posters)



Beach Cleaning



Summary

PROJECT REPORT

We a team of 16 people together planned and worked on our EVS Project in which we took an initiative of Beach Cleaning, Snacks Distributing, Poster Rally which altogether expressed the message of: Keeping the environment clean and being a socially aware person by helping needy people and maintaining nature's well-being.

For the project, very first we held an online meeting with our team. In that meeting we discussed about the project theme, aims/objectives of our project and steps for execution of our project. Also we exchanged personal views and ideas regarding the project with each other and along with that we also planned about meeting offline at our college campus for starting the actual steps of the project.

Day 1: Planning and group discussions:-

It was our first offline meeting for the project. We occupied the college backyard campus area, where we altogether discussed about the tools/equipments and basic materials that we needed for the whole project. Then we had a group discussion as to how and when would we do the required activities that are included in the project. We decided the time and money that each one of us would contribute for this project with working as a whole.

Day 2: Organizing required things and making proper arrangements

Here we distributed work equally among all of us and later we moved towards purchasing necessary materials that included cleaning tools such as garbage bags, hand gloves etc., then we also purchased some cardboards and color markers for utilizing them in poster rally activity. One of our group member took the responsibility of arranging 'Idlis' as we required some healthy meal for snacks distribution activity. Luckily we arranged brooms from our college cleaning staff for cleaning purpose. After organizing all things we decided to begin first with poster making. Where we all contributed our creative skills and used them in poster making which included message and logo of our project title also added some pictures for understanding Purpose. After finishing off the poster work we neatly kept the posters at a safe place in our college itself and ended up for the day.

Day 3: Project Execution:-

This was the day where we had to make our project successful. Idlis were bought and packed carefully in containers along with that we arranged fruit juices too. After gathering our tools/ things we headed on towards the juhu beach which was our location for this project. We started with Snacks distribution activity. It gave us immense joy by feeding the needy children who were shelterless by the beach place. We had good time with them as we captured some photos for thier memorable smile that they showed as they had the snacks. Later on we headed up for cleaning by wearing handgloves and carrying garbage bags. We divided our group and spread over the beach area and started cleaning up and collecting the waste. Later on we dumped all the garbage bags into nearby dustbins. Then we did poster rally on the beach where we spread awareness about clean environment and social duty of human beings towards nature. Throughout the project we captured all moments by taking pictures of doing the activities. Ended the day with a relief of joy and happiness

with gaining knowledge and experience about this wonderful concept that we did for Evs project.

Experiences / conclusion (Team Members Experiences)

- ▶ Karuna Jangid:- My experience of the project was very fantastic. I got to know about the insights of the people who do not have basic necessities of living. By donating food packets I developed a sense of gratitude towards everything I have . Beach clean drive was very wonderful, as we all friends gathered for the noble cause towards the environment by collecting garbage from Juhu Beach.
- ▶ Roshani Yadav:- My experience of the EVS project was very wonderful. I understood the importance of environment and how we can save it as in our project we have been to beach clean . I liked the children's being happy when we gave them food packets .
- ▶ Sejal jha:- My experience of the EVS project was very fantastic. I understood the importance of the environment how we can save it or hygienes it in our project we had to beach cleaned with our team work it was great experience. I liked that we had distributed the containers of food to all children's they all were very happy.It was a wonderful day I had.. Thank you.
- ▶ Mahima Kewat:- As for my experience I liked the distribution of idlis . We all friends together came up for the Beach Clean Drive at Juhu beach , it makes think about many ways are there for saving and cleaning our environment.





Beach Cleaning at Juhu 13th Dec 2021

Maniben Nanavati Women's College

Year: 2021-22

EVS PROJECT

Topic: Solid waste management.

Name of students : Krinjal Surti & Avantika Gupta.

Venue : : Vasai-Virar Mahanagar Palika Dumping Yard

Date: 25/05/22, 26/05/22, 27/05/22.

Dumping ground: A landfill site, also known as a tip, dump, rubbish dump, garbage dump, or dumping ground, is a site for the disposal of waste materials. Landfill is the oldest and most common form of waste disposal, although the systematic burial of the waste with daily, intermediate and final covers only began in the 1940s. Some landfill sites are used for waste management purposes, such as temporary storage, consolidation and transfer, or for various stages of processing waste material, such as sorting, treatment, or recycling. To gain more knowledge about the dumping ground we were allotted a task to visit the dumping ground. So team members krinjal and Avantika visited the dumping ground of Vasai-Virar Mahanagar Palika. We were told to do a task for 30hrs but the head of the dumping ground didn't allow us. They asked us to do a task within 3days.

Day 1: Our day one started with the basic information about the dumping ground and how it works. This dumping ground is situated in the Gokhivare village which is located in Vasai. The village is also known as the village of smoke. Gokhivare Dumping site is located at latitude 19 deg 24 min 10 north and longitude 72 deg 51 min 36 east. One of the major civic services, Vasai Virar City Municipal Corporation (VVCMC) has to provide collection, segregation, storage, transportation, processing & disposal of Municipal Solid Waste (MSW) in its area. The activity is governed by the Solid Waste Management Rules, 2016. These rules require scientific processing & disposal of the entire Municipal Solid Waste generated in the city. Its total area is 48 acres. All Vasai-Virar Municipal Corporations are divided into 20 zones. All 20 zones waste comes here for dumping. Everyday waste comes here is 650-700 tons.



The types of waste are:

Liquid waste: Some solid waste can be converted into liquid form for disposal. It includes point source and nonpoint source. Point source refers to the contamination from an identifiable source such as oil tanker spill in the water or wastewater management. Non-point source refers to when the contamination is not generated from an identifiable source or from many sources such as fertilizers.

Solid type: This is predominantly any waste that we make in our homes or any other places. These include old car tires, plastic, broken furniture or even any leftover food.

Hazardous type: This type poses potential threats to the environment and human life. Such waste could be inflammable (which can easily catch fire), reactive (can easily explode), corrosive (which can eat through metal) or toxic. These include items like fire extinguishers, old propane tanks, any mercury containing equipment. Therefore, in many countries, it is required by law to ensure proper disposal of such hazardous waste.

Organic Type: Organic waste comes from plants and animals sources. They commonly include food waste, fruits and vegetable peels. This type of waste is biodegradable, which means that they can be easily converted to manure by organisms over time. After collecting garbage from the house, the garbage man keeps the garbage at the particular place from where the dump truck can collect that garbage from respective areas.



This is the truck which collects garbage from all the 20 zones of Vasai-Virar city. While talking to them they said these trucks are divided into different zones to collect. And after collecting the garbage, it is brought to the dumping ground for further processing. Once the waste comes here, the waste is divided into its types mentioned above.

On day one, we visited the whole dumping ground and observed the machines and the process of dumping. As it was our first day they gave us some basic information which made us realize if we divide such waste from our house itself then it would be easy for them as well and since tons of garbage comes everyday it is not possible for them to divide it all hence some hazardous waste solid waste gets mixed with organic waste. And when they are dumped it is not good for the environment as well as it causes pollution.

Day 2: On day two, we were told to help the rag pickers to differentiate the plastic waste. And they discussed with us the measures and the problem they face in the dumping ground.

These are the ragpickers who pick the plastic waste for recycling. Around 150 rag pickers are here. They come daily and pick the waste and send it to recycle. Rag-pickers are the one who contribute to solid waste management to some extent. These rag-pickers usually collect the materials that have good re-sale value as these materials are mostly recycled or reused. Rag Pickers are the backbone of a neat and beautiful metropolis. The green workers manage entire trash of urban locates around the globe. The rag pickers plays an important role in saving the urban environment. While talking to the recruiters they told us the importance of the rag pickers in the dumping ground and the contribution they are giving for green environment. This is the plastic which was collected. They also informed us that this is the waste which is not collected by the garbage man but the one which is kept in the public places. In fact the waste like this which is collected from our house is been differentiate already by the garbage man of the respective areas. This was the information we never knew and we also realized how plastic is harmful for the environment.



The reasons to avoid the plastic bottles and the items related is as follows as:

1) We should carry our own water bottles rather than buying them. In case we forget to carry the bottle, we should not throw the bottle in the dustbin. Either use it or give it to the person who recycles it like rag pickers.



2) If the waste which the garbage man collects from our house contains such waste we should remove it and keep it separately and give it to them, so the garbage man of our building doesn't need to hunt and ultimately we will help them to some extent. 3) Everyone should understand if such plastic waste gets dumped with the other waste then the air will get polluted and it is harmful to survive.

These are the major reasons we discussed and it's a serious problem.

- **Leachate water:** Leachate water which comes from the waste which is not getting treated and directly going into the water resources and polluting them. It can contaminate the health of surroundings. Unconditional dumping of municipal solid wastes results in generation of toxic leachate, which percolates through the soil and finally reaches the water table affecting the ground waters. As the groundwater is an important part of the hydrological cycle, it is more prone to various sources of contamination.



Day 3: On the third day they showed us how trommel works and the problems and measure of the dumping ground. There are 8 machines for dumping the fresh waste.

- 1) **Legacy waste:** Legacy wastes are the wastes that have been collected and kept for years at some barren land or a place dedicated for Landfill (an area to dump solid waste). This waste can be roughly grouped into four categories: Contained and/or stored waste (contained or stored waste are wastes in tanks, canisters, and stainless steel bins). Buried waste. Contaminated soil and groundwater. Contaminated building materials and structures. Biomining method has been proposed by the Central Pollution Control Board (CPCB) for the effective disposal of legacy wastes. Environmental Impact of Legacy Waste. Legacy wastes not only occupy large space, but also become a breeding ground for pathogens, flies, malodours and generation of leachate, which may lead to water contamination.

To tackle the legacy waste MC have installed two trommils machine in the dumping

How trommils works: Firstly, the waste is put on a conveyor belt then waste is forwarded to 100ml net rollers, from 100ml it is transported to 25ml net rollers, then the final product is taken out from the conveyor. The plastic from 100 ml and 25ml of net rollers is sent for recycling by the recruiters. The rest product is used as an manure for the MC gardens.

The Trommel:



The manure from the products for MC gardens :



The changes to be brought in the dumping ground :

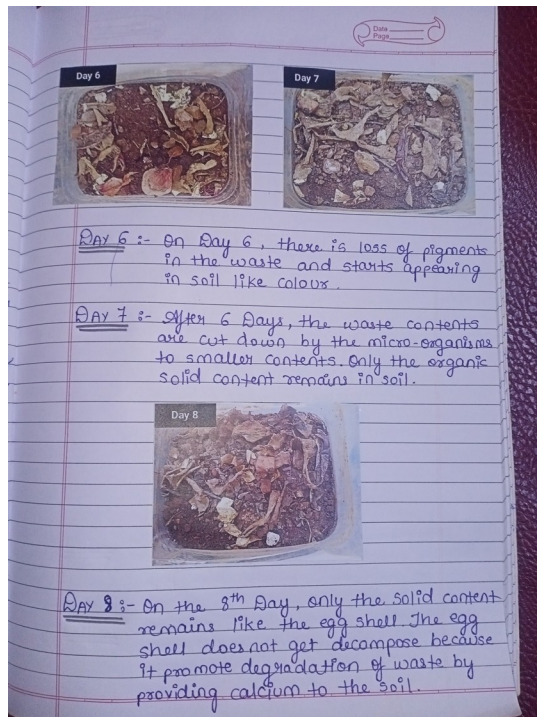
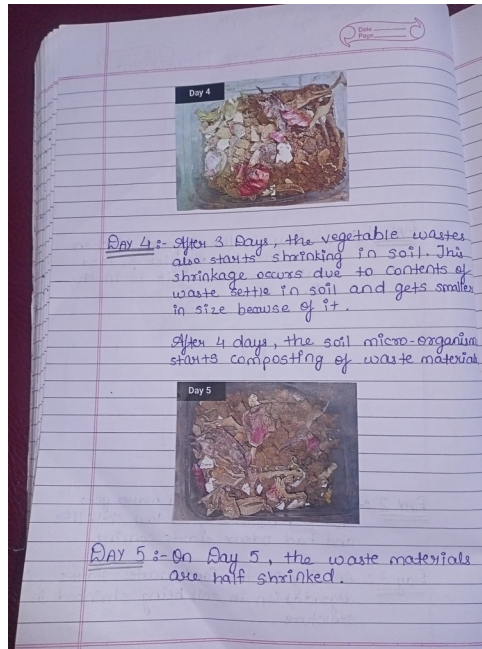
- 1) All dumping grounds are operated by MC corporations itself. It must be given to a company who can handle it in a professional way.
- 2) Due to methane fire activities are fired on the sites the air get polluted, hence to control the fire management mechanism has to be created.
- 3) Biomining is the process of using microorganisms (microbes) to extract metals of economic interest from rock ores or mine waste. Biomining techniques may also be used to clean up sites that have been polluted with metals. It is usually used for old dumped waste that remains in a partly or fully decomposed state with no segregation in existence between wet and dry waste. In the cost effective method of biomining, treatment is done by dividing the garbage heap at the site into suitable blocks to let the air percolate in the heap. As a result, the leachate which is the water in the heap with suspended solid particles is drained off and microbes are sprayed in the heap to initiate biological decompositions. The waste is turned over several times in order to devoid the waste to leachate as much as possible.
This biological decomposition of the waste decreases the volume of the waste by 40%.
To handle the biomining activity properly, the biomining tender should be given to any company.
- 4) Smoke over here gets higher and higher as the wind flows. Nearby locality are suffering from respiratory tract infections.

These were the changes the recruiter wanted in the dumping ground.

Conclusion: The visit to the dumping ground was so informative to know more about the waste management. We understood the fact that instead of a non degradable polytechnic dustbin bag we should use the degradable one. We treat the types of waste differently. We should avoid the use of plastic. While winding up the task we asked them how can we manage and compose the waste. They gave us the tips and we practiced them at home.



The process and result of the waste at home are



CHARITY DRIVE PHOTOS DATE:09/03/2022





Roshan's Photography
Mar 09, 2022, 15:21



Maniben Nanavati Women's College

- 1. Distribution of snake with street kids and teaching moral values*
 - 2. Importance of paper Bags*
- PROJECT BY FYBCOM STUDENTS**



- Anchal yadav
- Ashurti patel
- Bharati walodra
- Drusti parte
- Divya ghatbane
- Deepali ambavle
- Jaya walodra
- Kaveri mangaldas
- Naaz Shaikh
- Niyati naik
- Neha yadav
- Neha chaurasiya
- Samreen qureshi
- Shital dathiya
- Shikha yadav
- Sonali kadam

Report For The Year 2021-2022

Distribution Of Snacks With Street Kids And Teaching Moral Values



In recent years the world has made remarkable strides advancing development. More than 700 million people still live in extreme poverty. Children are disproportionately affected. Despite comprising one third



of the global population. Children who grow up impoverished of then lock the food, sanitation, shelter, health care and education they need to survive and ultidimen sionally poor. Meaning they lock necessities as basic as nutrition or clean water.

05. March. 2022

On Saturday we get metered at our college campus. And we are collected money shopkeepers and some humans and go to the market and buoyed things as per neccessasity on next day.

06. March. 2022

6th March 2022 we come College campus and packed all our items and we went to distribute. Things we buoyed we felt very happy and from now on words. I will do such things which make me happy and I thank MADHURI MA'AM to believe in me and giving me such opportunity and we also distributed food to the transgender on the station they gave blessing my group girls and also gave blessing to my College and I will be grateted if I get a chance to do this noble cause again.

We ddistributed Amul Mike, Water, Mix fruit juices , Apples, Parle-G biscuits, Banana, Chocolates and cupcakes and Mask. Our heart were fill with emotions joy and we were over whenever. We were 17 girls students from MANIBEN NANAVATI WOMEN'S COLLEGE. We distributed food at Andheri railway station and Vile parle railway station. It was my honour and my privilege to be a part of this good cause.





06. March. 2022

This day was very important for us as it has been a day which has taught me good. Values and for the good cause we work for it. After doing this, it gave me full hearted satisfaction that we have done something for our country and for poor kids and I am thankful to God for giving me such a wonderful life.

Child poverty refers to the state of children living in poverty and applies to children from poor families and orphans being raised with limited or no state resources. Estimates that 356 million children live in extreme poverty. Its estimated that 1 billion children about 1 in 2 children worldwide lack at least one essential neccessasity such as housing. Regular food or clean water children are more than twice as likely to live in poverty as about and the poorest Children are twice as likely to die before the age of 5 compared to their wealthier peers.



Report for the year

2021-2022

IMPORTANCE OF PAPER BAGS

Paper bags are gaining importance as these bags are 100% reusable, recyclable and biodegradable and at the same time environment friendly and pose less threat to wildlife. It requires less energy for paper bags to be recycled than plastic bags. Paper bags have come a long way since their beginning in the mid-eighteenth century when some paper bag manufacturers started developing paper bags that are more hardy and long lasting. The paper bags are generally box-shaped in design that allows them to stand upright and hold more goods. Corporates are using paper bags for promotions, seminars, product packaging and branding purposes.



1. Plastic bags cause environmental damage such as increase the level of air pollution. Plastic bags not only have adverse effects on our natural habitats, death of many animals. Plastic bags are not renewable and you need UV Ray's to destroy it, which is harmful for environmental. Paper bags on the other hand are environment friendly and can be recycled.
2. Possessing a paper bag is practical and you can use them to bring your grocery and the premium quality paper bags can be used as paper gift bags.
3. Most people now days prefer using paper bags because they are easy to carry neat and can hold lot of items. It adds to your status symbol as they can be embossed and grained to enhance the look.
4. Paper bags are usually used exclusively in malls and exhibitions for delivering over the counter products as research shows that paper bags contain at least 35% recycled material.
5. Corporates are now days using paper bags for promotions, seminars, products packaging and branding purposes as they are competitively priced.
6. Paper bag manufacturers can help you to decide the right size and type of paper bags as per your project budget and quantity.
7. You can choose paper bags with special properties that will seal the freshness and give an aesthetic look to your brand as offset and screen printing is possible.

So, we decided to use paper bags. Instead of plastic polyethylene bags. There are recyclable and eco-friendly. So we distributed paper bags on Andheri Market.

And they thankful us give us heart full joy and people there distributed grapes among us and I again thank MADHURI MAAM and my College MANIBEN NANAVATI WOMEN'S COLLEGE. Half to me part of this instituted.





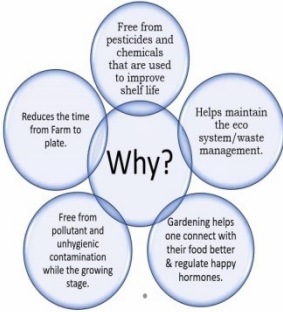
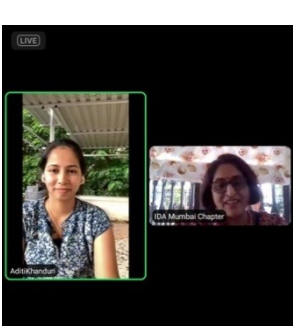


Mumbai, Maharashtra, India
Sarojini Rd Ext. LIC Colony. Suresh Colony. Vile Parle West

Workshop on "Making Cloth Bags"

Definition of :

Kitchen Garden Photos







MANIBEN NANAVATE WOMEN'S COLLEGE

AFFILIATED TO THE SNTD UNIVERSITY



Cleanliness Drive on 22 October, 2021

PROJECT REPORT

PROJECT NAME:- Charity Drive (Bet For Better)

Venue:- 1. Maniben Nanavati Women's College (Donation Item Collected Place)

2. Swagat Ashram Charitable Trust (Donation Items Delivered Place)

Time Stamp:- 09/03/2022 (Donation items were delivered)

Reporting Month:- April

Commencement of Drive

Start Time:- 17/01/2021 (Donating items time period)

End Time:- 29/12/2021 (Donating items time period)

Club Name:- Rotaract Club Of Maniben Nanavati Women's College.

Zone:- ZONE 2A

Project Level:- Club

Project frequency:- One

The Charity Drive was conducted on account of the New Year Commencement by the Rotaract Club Of Maniben Nanavati Women's College. It was specially conducted for the children who are in need of study materials or clothes or other basic necessities. Our Rotaract Club members run the message all over their family and friends circle in order to make people aware of drive and so that anyone can actively take part. Our Clubs Teacher coordinator helped us to get permission for submitting those items near by the college gate. We put on a banner on Our College Gate as well as we kept a big box so that

the people who want to donate the items can just keep those items in that box. Within a week we got 10 bags full of books, clothes, and blankets. So we collected those items from college and kept them at two of our members. Later due to the rise of covid cases, we had to hold on up to the donation. As after the month of February the Covid situation was under control we held a meeting to decide the place where we were supposed to donate those collected items. So Our President Rtr. Sharvi Agakar suggested a place which is located right in Mumbai. We all agreed on the suggested place and we confirm the date and time for the same. So Our club members took those items on 9th of March 2022,with them and traveled to that place. President Rtr.Sharvi had informed the coordinator of the Ashram one day prior to the meeting. Our members went over there personally gave those items to the childrens. It was a great experience for us to conduct such events with such supportive members.