



# Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai  
NAAC accredited, 4 Programmes Accredited by NBA

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Criteria Number: 7

Criteria Name: **Institutional Values and Best Practices**

Sub criteria Number: 7.1

Sub-criteria Name: **Institutional Values and Social  
Responsibilities**

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution.

The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion and sustainability activities

**This document contains the Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date.**

**Vidyavardhini's College of Engineering and Technology**

**Vasai Road (west)**

**15 October 2018**

The Principal

Vcet

**Subject : Report on Mahatma Gandhi Jayanti**

Dear Sir,

India's 3 rd national festival, Gandhi Jayanti, was celebrated at Vidyavardhini College of Engineering and Technology to commemorate the 150 th birth anniversary of the father of our nation- Mahatama Gandhi.

The programme started at 9:00 am with the inaugural speech of the Principal who addressed to the gathering, appealing to their nationalistic spirit, also emphasizing the role of youth today as the true wealth of a country. The faculty members and the students of VCET with true spirits came forward to carry out a peace rally approximately 500 members including faculty members and students f, highlighting the message 'Say No ToPlastic'. The rally began at 9:30 am starting from Vidyavardhini College to Panchavati.

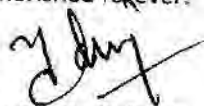
Along the journey, the ecstatic faculties and students chanted various slogan and sung patriotic songs adding on to the vibes of patriotism headed by Prof. Yogesh Pingale sir as lead singer.

Also on the same day three groups of students were formed and they carried different aactivities at different places. The details are as below:

Campus Cleaning team : 45

Station Cleaning Team : 60

It was overall a successful event. The moments were captured as memories to be remembered and cherished forever.



Dr. Pradip Gulbhile

Program Officer

NSS



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2019-20
Title of the activity	NAVAPUR BEACH CLEANING
Date of the activity	02/01/2020
Description of the activity	NSS-VCET Volunteers visited navapur beach for cleaning sea shore
Venue of the event	GREEN LIFE FOUNDATION AND NSS UNIT AT NAVAPUR BEACH
Organizing committee	NSS-VCET
Number of participants	27

*Pradip Gulbhile*

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai



## Vidyavardhini's College of Engineering & Technology

K.T. Marg, Vasai Road (W), Palghar – 401202

### N.S.S. Committee (2019-20)



Date - 29th August, 2019

To,  
Principal  
VCET

**Subject: Report on Beach Cleaning on 29th August 2019.**

Respected Sir,

This is the era where purity of Oceans is degrading due to enormous pollutants which are being dumped in it by citizens. On 29th August 2019, the NSS Wing of Vidyavardhini's College of Engineering and Technology, Vasai associated with Green Life Foundation and carried out an event named "BEACH CLEANING" under the guidance of Prof. Chandan Kolvankar,, Prof. Vishal Pande and myself.

The event was held at Rajodi Beach, Nalasopara. It was successfully carried out by the students. Total area cleaned was 400mtrs. The before and after picture is awestruck!

The feeling of cleaning the beach made everyone to pledge not to litter around and not let others do either! Leading an initiative to a clean and beautiful city around.

Dr. Pradip Gulbhile,  
Programme Officer,  
NSS.



M. J. P.O.

BEACH CLEANING



BEACH CLEANING

Johny  
P.O.



Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar - 401202



### N.S.S. Committee (2019-20)

Sr. No	Name	Year
1	Sarvesh Wapilkar	BE
2	Soham Dahanukar	BE
3	Aditi Rasal	BE
4	Trupti Hedalkar	BE
5	Arya Vartak	BE
6	Sushant Shetty	BE
7	Aditi Shirke	BE
8	Apurva Gurav	BE
9	Jui Patil	BE
10	Harsh Mittal	BE
11	Nishant Bhandigare	BE
12	Shikhar Mehta	BE
13	Raghavendra	TE
14	Deepali Kothari	TE
15	Aryan Darade	TE
16	Hrithik Gavankar	TE
17	Devesh	TE
18	Aniket Agavane	TE
19	Akansha Singh	TE
20	Prathamesh Mayekar	TE
21	Ameya Late	TE
22	Anushka Supe	TE
23	Jitesh Agnihotri	TE
24	Pawan Patil	TE
25	Sahil Jadhav	TE
26	Anagha Francis	TE
27	Akash Mourya	TE

*Johy*  
P.O. NSS



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2019-20
Title of the activity	RAJODI BEACH CLEANING
Date of the activity	29/08/2019
Description of the activity	Beach cleaning in association with "GREEN LIFE FOUNDATION" at Rajodi Beach to promote nature conservation.
Venue of the event	RAJODI, BEACH
Organizing committee	NSS-VCET
Number of participants	27

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai





# Vidyavardhini's College of Engineering & Technology

K.T. Marg, Vasai Road (W), Palghar – 401202

## N.S.S. Committee (2019-20)



Date - 29th August, 2019

To,  
Principal  
VCET

**Subject: Report on Beach Cleaning on 29th August 2019.**

Respected Sir,

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The event was held at Rajodi Beach, Nalasopara. It was successfully carried out by the students. Total area cleaned was 400mtrs. The before and after picture is awestruck!

The feeling of cleaning the beach made everyone to pledge not to litter around and not let others do either! Leading an initiative to a clean and beautiful city around.

Dr. Pradip Gulbhile,  
Programme Officer,  
NSS.



BEACH CLEANING

*M. J. J.*



BEACH CLEANING

July 7



BEACH CLEANING

*Jhy*



Vidya-Vardhini's College of Engineering & Technology  
K. T. Marg, Vasai Road (W), Palghar - 401202



### N.S.S. Committee (2019-20)

Sr. No	Name	Year
1	Aryan Patil	BE
2	Manoj Prabhu	BE
3	Devesh	BE
4	Roma Dhake	BE
5	Juneeth Panjri	BE
6	Ninad patil	BE
7	Swapna Khade	BE
8	Naman Annadate	BE
9	Omkar Suresh Suryavanshi	BE
10	Vinayak Deore	BE
11	Aniket Agavane	BE
12	Janhavi Mhatre	BE
13	Jayesh Nakashe	BE
14	Jessica Lobo	BE
15	Tanishka Wani	BE
16	Tanzil Irfan Shaikh	BE
17	Jay Kore	BE
18	Siddhi jangam	BE
19	Sundar Chaudhary	BE
20	Ajit Singh	BE
21	Omkar Chaudhari	TE
22	Chitresh Kheur	TE
23	Vinay Gawai	TE
24	Piyusha Rane	TE
25	Bhakti Shetty	TE
26	Gauravi Patankar	TE
27	HariPriya Ramisetty	TE

*[Handwritten Signature]*  
P.O. NSS



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2022-23
Title of the activity	BUND DAM CONSTRUCTION ACTIVITY
Date of the activity	28/01/2023
Description of the activity	THE DAM WAS BUILT TO REDUCE FLOW OF WATER DURING RAINS
Venue of the event	SAPHALE VILLAGE
Organizing committee	NSS
Number of participants	58

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai



Vidyavardhini's College of Engineering & Technology

K.T. Marg, Vasai Road (W), Palghar – 401202

**N.S.S. Committee (2022-23)**



Date - 28th January, 2023

To,

The Principal

VCET

**Subject: Bund Dam Construction Activity**

On the second day of Residential Camp, All the students got up early in the morning, exercised, had breakfast.

Later groups were formed to start the first task of the nss camp . Everyone formed a group to build a dam. All the students reached the location where the work was to be done i.e. Karasunda.

The dam was to be built to reduce the flow of water during rains. Everyone made a pit where they wanted to make a dam and filled cement bags with soil and built them. Then by placing them one on top of each other, approximately 15 feet long, 3 feet wide and 6 feet high was made. About 250 bags filled with mud were used in this.

Everyone completed this work in two and a half hours. It's truly said that, "Unity is strength...when there is teamwork and collaboration, wonderful things can be achieved". Even the villagers praised the students and were joyful.

Later , all the students returned to the residential camp and a meeting was taken by students to discuss the workflow for the next day.

Thank you

Dr.Pradip Gulbhile

Program Officer

NSS



Bund Dam Constrecution, 2022-23



Bund Dam Constrecution, 2022-23

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7.0.2023





Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar - 401202



N.S.S. Committee (2022-23)

Event Name: Day 2 Date: 28/01/2023  
Program Officer Sign: [Signature] Leader's Sign: [Signature]

Sr. No	NAME	BRANCH	SIGN
1.	Deeksha Shetty	CIVIL	[Signature]
2.	Urvasi Patel	CSE(CS)	[Signature]
3.	Radha Vishwakarma	comps	Radha
4.	ARCHA JADHAV	Comps	[Signature]
5.	Prerna Icanekar	COMPS	[Signature]
6.	Prerna Gawali	COMPS	[Signature]
7.	Tejal Mendhe	IT	[Signature]
8.	Jayanti Patankar	AI & DS	[Signature]
9.	Suryanarayan Chaudhury	AI/DS	[Signature]
10.	Harshat S. Phamare	CSE (CS)	[Signature]
11.	Sachin P. Rai	MECH	[Signature]
12.	Jay Prajapati	comp	[Signature]
13.	chetan Sunde	AI/DS	[Signature]
14.	Hrushikesh Shetty	COMPS	[Signature]
15.	Rohit Redekar	Comps	[Signature]
16.	Suryash Shelar	COMPS	[Signature]
17.	Sambhavi Salve	mech	[Signature]
18.	Ankur Shasaha	mech	[Signature]
19.	Varad Chavhan	COMPS	[Signature]
20.	Aayushi Tha	CSE(CS)	[Signature]
21.	Tejas Puchadiya	Mech	[Signature]
22.	Kshiti Patil	Comp	[Signature]
23.	Onkar Suryavarshi	comp	[Signature]
24.	Pratham Ingawale	COMPS	[Signature]
25.	Sushant Shetty	INST	[Signature]
26.	Shubham Nakashe	comps	[Signature]
27.	Nikita Mundaye	comps	[Signature]
28.	Akhata Bhasle	INST	[Signature]
29.	Prajakta Borse	Civil	[Signature]
30.	Bhupesh Patil	COMPS	[Signature]
31.	Aashlesha Rajput	IT	[Signature]
32.	Vanshi Sarghari	CSE(CS)	[Signature]
33.	Siddhi Tangare	CSE(CS)	[Signature]
34.	Jamni Phaman	CSE(CS)	[Signature]
35.	Kinshi Tha	CSE(CS)	[Signature]
36.	Chaitanya Patil	COMPS	[Signature]
37.	Prathamesh G. More	MECH	[Signature]
38.	AYUSH S. SINGH	MECH	[Signature]
39.	Saham Musundkar	Mech	[Signature]
40.	Shravan Tambe	B.T.C	[Signature]
41.	Abhishek Ghorat	MECH	[Signature]





# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2022 - 23
Title of the activity	ENVIRONMENT DAY
Date of the activity	02/06/2022 - 03/06/2022
Description of the activity	NSS COMMITTEE ORGANISED AN INSTITUTE WIDE HANDMADE POSTER MAKING COMPETITION
Venue of the event	VCET
Organizing committee	NSS
Number of participants	84

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai

**Vidyavardhini's College of Engineering & Technology**

K.T. Marg, Vasai Road (W), Palghar – 401202

**N.S.S. Committee (2022-23)****Date – 29<sup>th</sup> January, 2023**

To,

The Principal

VCET

Subject: Report on NSS Camp'23- Day 3

On the third day of the camp everyone gathered at Sri Dutt Mandir Auditorium as the students of Vidyavardhini College of Engineering and Technology and staff eagerly waited for the program to begin. The chief guest, Mhatre, and teachers of Vidyavardhini College of Engineering and Technology, Swapnil Mane, Vishwas Palve and Prakash Panda was welcomed with much enthusiasm and admiration. Three speakers, Mr. Swapnil Mane, Mr. Vishwas Palve, and Mr. Prakash Panda, spoke about different topics to enlighten the students on the importance of energy and rain water harvesting.

Mr. Swapnil Mane provided an informative summary about the evolution of energy, contrasting its past and present forms. Mr. Vishwas Palve then discussed single phase commercial and three phase commercial energy sources in detail. Finally, Mr. Prakash Panda explained the importance of rain water harvesting, citing various examples.

The program ended with an impressive felicitation ceremony conducted by the National Service Scheme students for the chief guest. This program provided an invaluable opportunity for all those in attendance to gain an understanding of the importance of energy and rainwater harvesting. It was certainly an enriching experience for all who attended this memorable program.

Thank you.

Dr. Pradip Gulbhile

Program Officer  
NSS



Residential Camp Day  
3, 2022-23



Residential Camp Day  
3, 2022-23



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

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Number of participants	84

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai



**Vidyavardhini's College of Engineering & Technology**

K.T. Marg, Vasai Road (W), Palghar – 401202



**N.S.S. Committee (2022-23)**

**Date - 6th June, 2022**

To,

**The Principal**

**VCET.**

**Subject: Environment Day**

The NSS unit of Vidyavardhini's College Of Engineering and Technology, Vasai, celebrated World Environment Day to promote awareness and encourage the protection of our Mother Earth. The unit organized an institution-wide Handmade Poster Making Competition from June 2nd to June 5th, 2022, successfully conducted on an online platform. The theme for the competition was 'Only One Earth'.

VCET's NSS Committee wholeheartedly participated in the event. NSS student leaders Ragini Nair, Syed Sirajuddin, Aditi Rathod, Shravan Tawde, along with committee members, promoted the theme with various creative and inspirational designs.

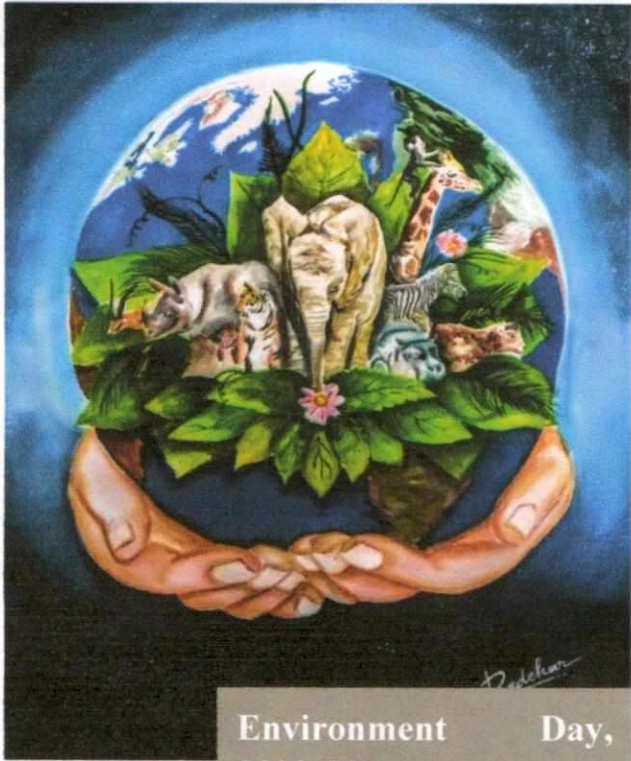
Following this, participants with the most praiseworthy submissions were awarded cash prizes. Upon concluding the event, all participants were bestowed with participation certificates.

Thank you

Dr. Pradip Gulbhile

Program Officer

NSS



Environment Day,  
2022-23



Environment Day,  
2022-23

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Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar - 401202



N.S.S. Committee (2022-23)

ENVIRONMENT DAY

SR NO	NAME	YEAR	SR NO	NAME	YEAR
1	Riya Dutta	TE	48	Soham Dahanu	SE
2	Riddhi Chavda	TE	49	Suryanarayan	SE
3	Soham Murudkar	TE	50	jagruti Borse	SE
4	Niharika Das	TE	51	Isha Kshatriya	SE
5	Nilesh Birje	TE	52	Tejal Mendhe	SE
6	Pallavi Thakur	TE	53	Prathamesh Me	SE
7	Rishabh Nahar	TE	54	Rutuja Mestry	SE
8	Omkar Jadhav	TE	55	Sahil Kulabkar	SE
9	Siddhi Kolawankar	TE	56	Sayali Gupta	SE
10	Sanskriti Kokare	TE	57	Vaishnavi Gaik	SE
11	Aditi Khambe	TE	58	Amey Chaudari	SE
12	Abhishek Hatui	TE	59	Vipul Bhoir	SE
13	Vaishnavi Deokar	TE	60	Nishant Bhandi	SE
14	Rishabh Tripathi	TE	61	Parth Baradia	SE
15	Onkar Suryavanshi	TE	62	Aryan Darade	SE
16	Hrushikesh Shetty	TE	63	Ujjwal Upadhay	SE
17	Sachin Rai	TE	64	Anirudha Jadh	SE
18	Jay Prajapati	TE	65	Shranya Rudral	SE
19	Sanika Patil	TE	66	Akash Mourya	SE
20	Bhupesh Patil	TE	67	Kavisha Pachal	SE
21	Kshitij Patil	TE	68	Vaishnavi Dunc	SE
22	Pratham Ingawale	TE	69	Anushka Supe	SE
23	Prerna Gawali	TE	70	Aditya Bhandar	SE
24	Vedant Chaskar	TE	71	Ankita Bhosle	BE
25	Sachin Rai	TE	72	Mayuresh Kade	BE
26	Krish Vaity	TE	73	Ragini Nair	BE
27	Prajakta Borse	TE	74	Riya Raut	BE
28	Sneh Dave	TE	75	Sushant Shetty	BE
29	Manas Raut	TE	76	Urmiksha Tawd	BE
30	Harsh Sharma	TE	77	Chaitanya Patil	BE
31	Deekha Shetty	TE	78	Sundar Chaudh	BE
32	Chetan Jawale	TE	79	Prathamesh Mc	BE
33	Janvi Chavan	TE	80	Syed Qadri Sir	BE
34	Sahil Gujral	TE	81	Aditi Rathod	BE
35	Siddhi Jangam	TE	82	Ankur Saha	BE
36	Aayush Jha	TE	83	Anagha Francis	BE
37	Prinshi Jha	TE	84	Shravan Tawde	BE
38	Urvashi Patel	TE			
39	Jidnyasa Patil	TE			
40	Vrushti Sanghvi	TE			
41	Durvesh Karjekar	SE			
42	Vinayak Deore	SE			
43	Harshal Bhamre	SE			
44	Prachi Shah	SE			
45	Shruti Pawar	SE			
46	Gauravi Patankar	SE			
47	Raghvendra Devadiga	SE			

HRUSHIKESH SHETTY

NSS LEADER

[Click here for summary page](#)

DEEKSHA SHETTY

UDAAN PRESIDENT



**Vidyavardhini's College of Engineering & Technology**  
**Academic Year 2022-23**

**Report on Energy Conservation Day 2022**

**Program** Energy Conservation Day 2022

**Date** 14/12/2022

**Venue**

1. Vidyavardhini's College of Engineering
2. Municipal outskirts of Vasai West region for Bicycle Rally
3. Podar School, Vasai West
4. New English School, Nirmal, Vasai
5. St. Annes High School, Vasai West
6. Shree Taramai Vartak Memorial Academy, Virar

**Description** Every year, Department of Mechanical Engineering, Vidyavardhini's College of Engineering and Technology (VCET), Vasai (west), organizes "Energy Conservation Week". The event is organised on "World Energy Conservation Day" i.e 14<sup>th</sup> December to highlight the importance of energy consumption and its use in our day-today life.

The contents covered in this program are:

Sr No	Name of Activity	Date	Duration
01	Inauguration of Energy Conservation Week 2021 by Mrs. Rashmi Joshi,	14/12/2022	3 pm to 5 pm
02	Expert Talk on the Roadmap for Electric Vehicles – Earth EV	15/12/2022	3pm to 5 pm
03	<b>Bicycle rally to create awareness about Energy conservation and energy Efficiency</b>	16/12/2022	10 am to 12 pm
04	Renewable Energy Startup talk by Mr. Ratnesh Shingrupe, Quasar Innovative Solutions.	19/12/2022	10 am to 12 pm
05	Outreach Activity by the Faculty of Mechanical Engineering Department at various schools in the VVCMC Region	20/12/2022	9 am to 5 pm

**Organized By** Coordinators: Mr Swapnil R Mane, Assistant Professor, Mechanical Engineering  
Chief Guest: Mrs. Rashmi Joshi, Environment Consultant, Mumbai

*S.R. Mane*

*AS*  
HEAD

Dept. of Mechanical Engg.  
Vidyavardhini's College of  
Engineering & Technology  
Vasai Road-4.11.2022



**Vidyavardhini's College of Engineering & Technology**  
**Academic Year 2022-23**

**Guest Lecture by Mrs. Rashmi Joshi on Energy and Environment**  
**14<sup>th</sup> December 2022**

**Venue: Ground Floor Seminar Hall (3pm to 5pm)**

**About the Guest:**

**Name: Ms. Rashmi Joshi**

**Designation: Environment Consultant**

**No. of Participants: 21**

Phone no. 9819599851

Mail id rashmijoshi72@rediffmail.com

Currently working as Environment Consultant for last 10 years with a special focus on Composting,

E-waste Collection Drives, Seed ball making and Kitchen Gardening

**Educational Qualifications**

M.A. (Greek Philosophy), NET Exam Qualified

**Experience**

- Lecturer at Ruparel Junior College, Khalsa Degree college, Government Law College and Mumbai University
- Public awareness related to environment issues-
- Creating awareness among students in particular and society in general by delivering lectures, guidance, training and implementation of composting projects at around 50 plus schools, colleges and 100 plus housing societies.
- E-waste collection, plastic waste collection and sending it for recycling – from approximately 50 colleges of Mumbai, Navi Mumbai, Thane, Pen (Raigad) & Ratnagiri; 200 plus housing societies and 25 Schools and other institutions including the corporates.
- Organisation of E-waste collection drives in 40 colleges, 25 schools and 50 residential colonies of Mumbai, Dombivali, Thane & Navi Mumbai and collected around & 20 ton of E-waste and its disposal for scientific recycling to Government approved recycler. This way the E-waste reached the recycling facility instead of reaching the dumping ground.
- Similarly, composting projects were completed at several locations and few hundred tons of wet waste in the form of kitchen waste and garden waste was prevented from reaching the dumping ground.
- Conducted around 2000 plus awareness lectures on Solid Waste Management in various Educational Institutions, Housing Societies & other Institutions.
- I was also involved in organization of Plastic Waste Collection Drives in various educational and other institutions.
- Conducted webinars in around 100 institutions during lockdown till date. Awareness interviews on All India Radio as well as Media Coverage in various Newspapers.

**Awards and Achievement**

- Felicitated by Thane Municipal Corporation
- Felicitation by F/North Ward of MCGM.
- Naari Swashakti Puraskaar.
- Guru Nanak College Award
- Prasar Bharati Award for work in Swachh Bharat Abhiyan
- Kartrutvavaan Naairatna Gaurav Puraskar 2020
- Corona Warrior Awards ( from 4 Organizations)
- Rajyastariy Covid Yodhha Samaj Rakshak Mahasanman 2021
- Adarsh Corona Warrior Award received on 1st May 2021.
- Served a critical cancer patient continuously for two years.

*Rashmi*

*AS*  
**HEAD**

**Dept. of Mechanical Engg.**  
**Vidyavardhini's College of**  
**Engineering & Technology**  
Vasai Road-401202.



## Vidyavardhini's College of Engineering & Technology Academic Year 2022-23



Mrs. Rashmi Joshi addressed about the scientific findings that a global energy transformation is needed to address the growing risks associated with accelerated global environmental change. Anthropogenic pressures on the planet have reached a level where large-scale deleterious impacts, or even catastrophic ones, can no longer be excluded. She also mentioned that such impacts have the potential to undermine human development.



This new global social environmental predicament is closely associated with energy. Atmospheric emissions from energy use contribute to multiple environmental impacts. In addition to climate change, atmospheric pollutants may limit net primary productivity of ecosystems, and lead to the acidification and eutrophication of land and seascape. Energy and Environment

*Rashmi*



## Vidyavardhini's College of Engineering & Technology

### Academic Year 2022-23

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interact, reinforcing impacts on social and environmental systems, in complex ways that are not always well understood. She talked about Climate change and GHG emissions.

Students asked about how they can contribute to reducing the impact of Global Climate change to which she replied to follow the SDG's which can cause a greater impact on the sustainability index of the country.

The session ended with a vote of thanks by Mr. Vishwas Palve, Assistant Professor at the Department of the Mechanical Engineering.

Prepared By

Swapnil Mane

Coordinator, ECW 2022

Assistant Professor, MECH Dept.

HEAD  
Dept. of Mechanical Engg.  
Vidyavardhini's College of  
Engineering & Technology  
Vasai Road-401202.



**Vidyavardhini's College of Engineering & Technology**  
**Academic Year 2022-23**

**Outreach Activity at various schools for awareness about Energy Conservation**  
**16<sup>th</sup> December 2022**

**Venue: St. Annes High School, Podar International School, Issac Newton High School, New English School and Taramai Vartak Memorial School**

**Aim: To create awareness among the citizens towards Energy Conservation and Efficiency**

With an aim to create awareness among the citizen of Vasai Virar Municipal region, Department of Mechanical Engineering on the National Energy Conservation Day proposed an outreach activity under the name "Urja Vistaar".

**Objectives Of Urja Vistaar**

The objective of **URJA VISTAAR** is to create awareness among the public and equip them for efficient management of all forms of energy, to promote energy efficiency and energy conservation and to develop new sources of energy as well as novel energy technologies with a view to increasing the production and facilitating the use of energy on a sustainable basis. It aims at seeking the school children of Class 9<sup>th</sup> and 10<sup>th</sup> to convene, catalyze and facilitate works in the energy conservation related activities in a participatory mode by utilising the natural sources of Energy. Therefore, schools that have been involved in community participation, environment, and energy conservation work were approached for promoting the sustainable usage of Energy for Cooking, Transportation and Lighting.

**Activities**

This program, in general, focuses on enhancing environmental awareness and fostering critical thinking and problem- solving approaches among participants, by helping them to become actively involved in the exploration of their immediate environment through understanding certain concepts and undertaking some selected activities related to Energy conservation and energy efficiency. The intention is to encourage an approach which takes some of these basic ideas and adapts them to suit local needs. Thus, the activities of the Urja Vistaar program consist of demonstration of Solar Cooker so that the basic needs of cooking can be established by the participants. Also the program involves to demonstrate and distribute solar Lamps to students living in tribal areas who are deprived of uninterrupted power supply which hinders there need for studying during the off sunlight periods.

**Action:**

The faculties of the Department of Mechanical Engineering visited the schools in the Vasai-Virar Municipal Corporation region to sensitize the students and inculcate mitigation from conventional methods of energy usage. The snaps of the visit are as follows:

*S.R. Mane*

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Academic Year 2022-23



*S. R. Mane*  
S. R. Mane

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# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

**Founder President Late Padmashri H. G. Vartak**  
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## **Report of Expert Talk on Process of Innovation Development Technology Readiness Level(TRL), Commercialization of Lab Technologies and Tech-Transfer 19<sup>th</sup> Dec 2022**

**Objective: The process of Innovation Development in Solar Energy Conservation and Start up Strategy**

**About the Speaker:** The guest speaker for the session

1. Speaker:- Mr.Ratnesh Shingrupe

Founder- and CEO of Quasar Innovative Solutions – India (Qinso),Thane Maharashtra

### **Brief introduction**

Quasar Innovative Solutions – India have received four national awards in System Designing in Renewable Technology. Years of R & D in Industry has gained confidence to attempt for extremely difficult levels of Projects Implementation. Challenges inspires Quasar Innovative Solutions – India to work & resolve them with best possible solutions. Environment & Innovative research are the fields which inspires them to work passionately for betterment of the society. We wish for the better business relations in coming time.

Mr.Ratnesh graduated in Computer Science from Mumbai University established his own start up by this venture. Mr.Ratnesh is a motivational speaker for the students since long time and today he is presenting about the innovation development technologies ,TRL and ways of commercialization

### **Brief discussion of the event**

Mr.Ratnesh is very close to solar energy work and established his own Quasar Innovative Solutions – India (Qinso) for manufacturing of solar panels. Mr.Ratnesh is actively involved in the solar photovoltaic plant installation and commissioning.

### **Brief Description of the event**

Mr. Ratnesh elaborate about the clear goals and vision. In view of Mr.Ratnesh, the vision should be created keeping long term goals. This vision only powers the enterprise to travel on the path of growth. This vision set by the founder of entrepreneur should be the vision of all employee working in the enterprise. Its not only to earn higher salary or higher position in the company.

The broad vision may have small small goals in order to fulfill the vision. Time to time after reaching to set targets, the vision of the company could be improvised.

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Mr.Ratnesh highlight of getting inspired by the vision. All employees together will prepare the action plan the vision. If all focused on vision then the small goals are automatically fulfilled.

Mr. Ratnesh emphasis that see the dreams when you are awake not when you are sleeping. Those you can follow and put forward steps towards fulfillment of them.

Mr.Ratnesh established his own competence keep consistency in the technology readiness level with respect to market. Mr.Ratnesh explained about the TRLs for establishing an enterprise rather who could mae his/her way towards enterprises based on TRL, MRL. The review of market should be very important and one should keep the plan in hand to execute the technology on time.

Be diligent and and inspired for technology transfer with industries ,research labs for prograss of the product in term consumer market gain.

Overall the session was excellent and may videos shared by Mr.Ratnesh during installation of the solar plants by their venture. The mathematics of calculating the project cost and quoting also discussed in details. Students were actively participated in the Q and A session. Total 52 students and 4 faculty members were participated in the event.

Thank you

  
Dr. Ashish Chaudhari

Dr.Ashish Chaudhari

President IIC

  
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**Report of  
Expert Talk on Process of Innovation Development Technology Readiness  
Level(TRL),Commercialization of Lab Technologies and Tech-Transfer  
19<sup>th</sup> Dec 2022**

**Glimpses of the Event**



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## **Report of Expert Talk on Energy Conservation Strategy in Electric Vehicles 14<sup>th</sup> Dec 2022**

**Objective: To create awareness for innovations in energy conservation strategies needed in electric vehicles**

**About the Speaker:** The guest speaker for the session

1. Speaker:- Mr.Kavan Raval

Chief Strategic Sales and Partnership Officer, Earth Energy EV, Vasai

### **Brief introduction**

Mr. Kavan is A Techno-Commercial expert in the field of EV Automobiles with a proven record in sales, operations, and corporate relations. Been part of an electrified journey where Mr. Raval saw a company & product in making from scratch and contributed to solidifying the roots of the same. Always ready to take up the driving seat of prototypes, push the machine to its limits, present the inputs to R and D team. Mr.Raval undertook vehicle development & logistical operations, event management, company representation activities at seminars and conferences.

Beyond vehicle technology, a significant boost in EV adoption could be awareness programs for users and technicians. Mr.Raval and team create a pool of EV promoters by organizing seminars/workshops for potential users and mechanics. There are many misconceptions about EVs that need to be addressed, which can be clarified by continuous interactions as a community. EV charging infra-availability is also an important game changer.

### **Brief Summary of the talk**

Mr. Raval started his session with the introduction of his company Earth Energy EV and the startup growth and present status in field of electric vehicles. Mr.Raval highlights upon the key factors during design and development of the electric vehicle is the weight of the vehicle and the battery usage for maximum milage.

To understand this , the weight of the electric vehicle could be kept low using the innovative materials without compromise of the safety and anti-collision test. Various materials are under research and utilized in the making of electric vehicles. The weight of vehicle could be substantially reduced using the composite materials maintaining the same strength.

The lower the weight higher will be the performance of the vehicle. Further the battery system of the electric vehicle is another important part for the best efficiency of the vehicle. The battery system is such

*M. Kavan*

  
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that it should be light in weight. Different orientations of the cell and frame design is crucial in the development of battery system of the electric vehicle.

The cooling system of the battery affects the performance in electric vehicle. In two-wheel vehicles, air cooling or natural draft cooling only possible, however in four wheel vehicle the cooling system need to be designed which could keep the cell temperature below designed limit of 40-45 degree centigrade. For this liquid coolant flow around cell is important. The maximum heat generated in the cell in axial direction which need to be dissipated to the surrounding, for this Mr.Kaval demonstrated different designs which are in exist and also under research. Mr. Kaval emphasis scope for innovation and research in this field of battery management system.

Optimum design of Battery system will automatically improve the performance of the vehicle. Battery swapping method which is a new technology initiated by the different start ups in India. Government of India is promoting the young engineers to establish their start up in this sector. Mr.Kaval gives the detailed explanation of the Battery Swapping technology.

Further Mr. Kaval put forward a question whether the electric vehicle causes pollution/emission. Mr. Kaval explains the clean environment or zero carbon footprint policy of Government of India. Electric vehicles consume electricity for charging. This electricity if generated from renewable sources such as solar photovoltaic or wind turbine farm could make a difference.

Overall the program was full of research and innovation. Students interacted with Mr.Raval with lots of question for this very new and silent technology of Electric Vehicles,

Around 50 students and 4 faculty members attended the event.

Thank you sir,

  
Dr. Ashish Chaudhari

Dr.Ashish Chaudhari

President IIC

  
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**Report of  
Expert Talk on Energy Conservation Strategy in Electric Vehicles  
14<sup>th</sup> Dec 2022**

**Glimpses of the Event**



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**ATTENDANCE SHEET**  
Seminar on "Energy Conservation Strategy in Electric Vehicle"

**Expert Speaker**

**Mr. Kavan Raval**

Lead Corporate Alliance at Jindal Mobilitric | Chief Strategic Sales and Partnership  
Officer at Earth Energy EV

Sr. No.	Name of Student	Year	Branch	Sign
1	Rush U. Manjrekar	FE	Comp	
2	Rohit Mani	FE	COMP	
3	Ashish Mane	FE	COMP	
4	Mahadiya Vatsal J.	FE	Comp	
5	Suyash S. Palkar	F.E	Comp	
6	Smriti Mahale	F.E	Comp	
7	Siddhesh S. More	F.E	COMP	
8	Ashirwad Kathawale	F.E	COMP	
9	Tanmay Narayanrao	F.E	COMP	
10	Mihir Kumar V. Lad	F.E	COMP	
11	Sanmit Mayurkar	F.E	COMP	
12	Wajiba Kulkarni	FE	Comp	
13)	Vedant U. Kale	FE	comp	
14)	Jilla Saivamshi R.	FE	COMP	
15)	Jenil H. Rajesh Kotadia	F.E	Comp	
16)	SAURABHSING DIPAKSING PARDESHI	F.E	AZ&DS	
17)	APURV Sanjay Kini	F.E	AI&DS	
18)	Saurabh mane	F.E	AI&DS	
19)	SAKSHI KATKE	D.S.E	Civil	
20)	Anuruddha Rane	D.S.E	Civil	
21)	Pranav A. Sankar	D.S.E	Civil	
22)	Prasham K. Jadhav	D.S.E	Civil	
23)	Tejas T. Shevale	D.S.E	Civil	
24)	Shubham Ganwale	D.S.E	Civil	
25)	Jay. Patil	F.E	AI&DS	
26)	Vedika. Pawar	F.E	AI&DS	
27)	Yash. Patil	FE	AI&DS	
28)	Rohan Ganpat. Mangaonkar	FE	AI&DS	
29)	Sakshi Anant shelar	FE DSE	Civil	
30)	Sai S. Gosani	D.S.E	Civil	
31)	Kaustubh K. Chavan	D.S.E	Civil	
32)	Apurva Umakant Jagtap	D.S.E	Civil	
33)	Ajay S. Lachaka	D.S.E	CIVIL	
34)	Yajurved V. VAI DY A	D.S.E	CIVIL	
35)	JATIN. VATARE	D.S.E	CIVIL	

**Dr. Ashish Chaudhary**  
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 Vasai Road-401202.

Sl.No.	Name of student	Year	Branch	Sign.
36]	Jay Panchaj	D.S.E	mech	<i>Jay Panchaj</i>
37]	DHRUV NANAKIA	DSE	CIVIL	<i>DHRUV</i>
38]	Aniket Folka	DSE	mech	<i>Aniket</i>
39]	Kohit Kache	DSB	CIVIL	<i>Kache</i>
40]	Krutesh Aazkar	DSE	CIVIL	<i>Krutesh</i>
41]	Niketan P. Sawdekar	DSE	Mech	<i>Niketan</i>
42]	Bansal Simavia	DSE	MECH	<i>Bansal</i>
43]	Aniket Jha	FE	COMP	<i>Aniket</i>
44]	Sandesh Pakhde	F.E.	AI/DS	<i>Sandesh</i>
45]	Shubham S. Mohanty	F.E.	AI/DS	<i>Shubham</i>
46]	Sainath S. Khot	FE	AI/DS	<i>Sainath</i>
47]	Yash. Mayekar	FE	AI/AS	<i>Yash</i>
48]	Anush. Mayekar	FE	AI (DS)	<i>Anush</i>
49]	AFVAN PATHAN	FE	AI (DS)	<i>Pathan</i>
50]	Dnyanesh Panchal	FE	AI (DS)	<i>Panchal</i>
51]	Lakanya Murudkar	FE	AI (DS)	<i>Murudkar</i>
52]	Kaithik Pandey	FE	AI/DS	<i>Kaithik</i>
53]	Ketan N. Mahadik	F.E.	AI/DS	<i>Ketan</i>
54]	Tarun P. Patil	F.E.	AI/DS	<i>Tarun</i>
55]	Mitansh R. Gosavi	F.E.	AI/DS	<i>Mitansh</i>
56]	Chaitanya P. Pimple	D.S.E	CIVIL	<i>Chaitanya</i>
57]	Prathmesh Pandey	<del>FE</del> F.E.	Comps	<i>Prathmesh</i>
58]	Kashyap Jemuga	FE	comps	<i>Kashyap</i>
59]	Piyush Kushe	F.E.	comps	<i>Piyush</i>
60]	Krish Vaity	TE	MECH	<i>Krish</i>
61]	Naman Annadate	TE	Mech	<i>Naman</i>
62]	Aditya A. Lawate	SE	COMPS	<i>Aditya</i>
63]	Shrushti Lane	TE	EXTC	<i>Shrushti</i>
64]	Harsh Shinde	D.S.E	MECH	<i>Harsh</i>
65]	Reuben Noronha	DSE	MECH	<i>Reuben</i>
66]	Shriyansh Nirgun	DSE	MECH	<i>Nirgun</i>
67]	Niran Umam Vyas	TIS	AI	<i>Niran</i>

*Ashish*

A. Ashish Chaudhary

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# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

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Website: www.vcet.edu.in

## Report of National Energy Conservation Week 16<sup>th</sup> Dec.2022

**Objective: To inculcate the importance of energy and its consumption among society**

**About the Speaker:** The guest speaker for the session

1. Dr. Megha Trivedi  
Associate Professor, Computer Engineering Department
2. Mr. Swapnil Mane,  
Energy Auditor, Mechanical Engineering Department
3. Mr. Vishwas Palve  
Energy Manager, Mechanical Engineering Department

### Brief introduction of Event

Institute Innovation Council in association with IQAC Vidyavardhini's College of Engineering and Technology organizes a Bicycle Rally with banners for awareness about energy saving and methods to generate energy from renewable sources for Ingrid power generation.

Dr.Trivedi and Mr. Swapnil Mane along with students were designed the banners for energy conservation and manufacture the hoardings that could be fixed to the bicycle. The banners of size 60 cm by 30 cm and wooden frame with handle for fixing it to the handle bar of the bicycle.

All participants arranged bicycles from thir own or from friends or relatives and participated in the event. The bicycle rally was started from institute campus at 10.30 am. Dr.Megha Trivedi shows the flag for starting the rally.

Starting from institute the participant follows the track to Ganapati mandir- panchavati- 100 feet road- suncity-grass road- bhuigaon. Return along the same track. Total travel of the bicycle rally is 15 kms.

The banners are

- a. National Energy Conservation Week
- b. Clean Energy renewable fuels
- c. Energy is Life save it
- d. BIS standards for energy saving
- e. Solar panel grid power generation
- f. Saving Energy methods

*Megha*  
Dr. Ashish Chaudhary

*AS*  
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Vasai Road-401202.

The students and faculty members were seen enthusiastic and communicated to the peoples on the road and tried to create awareness among them.

The Bicycle rally was successfully completed, and 13 students and 5 faculty members were involved in the rally.

Thank you,

  
Dr. Ashish Chaudhari

**Dr. Ashish Chaudhari**

**President, IIC**

  
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Report of  
National Energy Conservation Week  
16<sup>th</sup> Dec.2022

Glimpses of the Event



*Ashish*  
Dr. Ashish Chaudhan

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**Vidyavardhini's College of Engineering & Technology**  
**Academic Year 2020-21**

**Report on Energy Conservation Day 2021**

<b>Program</b>	Energy Conservation Day 2021
<b>Date</b>	14/12/2021
<b>Mode</b>	Online
<b>Description</b>	<p>Every year, Department of Mechanical Engineering, Vidyavardhini's College of Engineering and Technology (VCET), Vasai (west), organizes "Energy Conservation Week". The event is organised on the occasion of "World Energy Conservation Day" i.e 14<sup>th</sup> December to highlight the importance of energy consumption and its use in our day-today life.</p> <p>On this occasion, an Expert session on "Application of IOT and ML in Management of Energy Utilities" was scheduled at 10:30am to 11:45 am on 14<sup>th</sup> December 2021 through Online mode by Dr Hemant Wamburkar.</p>
<b>Organizing Committee</b>	<p>Coordinators: Dr. Uday Aswalekar, HOD Mechanical Engineering Mr Swapnil R Mane, Assistant Professor, Mechanical Engineering Mr Vishwas Palve, Assistant Professor, Mechanical Engineering</p> <p>Chief Guest: Dr Hemant Wamburkar, Director, Innovative Digital Energy Applications &amp; Solutions, Pune</p>
<b>Participation Details</b>	63 participants from and across various colleges participated in this online session and certificates were provided for those who actively participated in the workshop
<b>Total Number of Participants</b>	63
<b>Google Meet link</b>	<a href="https://meet.google.com/iid-oyyx-ihe">https://meet.google.com/iid-oyyx-ihe</a>
<b>Whatsapp link</b>	<a href="https://chat.whatsapp.com/EJHFNYbNVDiD8Pvxm6IEh9">https://chat.whatsapp.com/EJHFNYbNVDiD8Pvxm6IEh9</a>
<b>Description of Event</b>	<p><b>Topics Covered</b></p> <p>Energy optimisation in smart manufacturing</p> <p>Automated Energy Meter Reading: -</p> <p>Smart Alerting System for Proactive Response: -</p> <p>Automated Reporting System for Routine Analysis: -</p> <p>Analytical Tools for Diagnostics and Optimization:</p> <p>Visibility for Improved Productivity: -</p>

*Aswalekar*

*Aswalekar*  
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## Vidyavardhini's College of Engineering & Technology

### Academic Year 2020-21

2) Use of IOT (AI and ML) for Energy Data. Going beyond EMS with Plant connect. The guest explained about how Internet of Things and concepts of AI and ML can help data managers acquire useful information with Energy Management system.

#### 3) Digital Utilities

Using continuous data obtained from IoT and from Big Data provide inputs for optimizing energy, water and asset performance from energy signature of machines and systems at part loads (Continuous re-commissioning)

This uses the dynamic modelling of fluid (Liquids/Gases) systems from energy, and derive fluid and thermal energy flows and efficiencies

So data of parameters like Energy, Power, Electrical, Temp, Pressure, RH, vibration provide useful insights for altering the operating machines at part loads for maximizing their energy performance.

**Feedback** Feedback and constructive comments were given by students and the events was successfully organized with certificates being presented to successful students.


Prepared by  
Mr Swapnil Mane  
Co-ordinator, ECW 2021

  
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Vidyavardhini's College of Engineering & Technology  
Academic Year 2020-21

ANNEXURES



Vidyavardhini's College of Engineering & Technology,  
Vasai West  
Department of Mechanical Engineering  
Organizes

# Energy Conservation Week

14 – 21 December 2021

**9:45 am Inauguration**

**9.50am Introductory speech by Dr. Harish Vankudre, Principal VCET**

**10.05am Message by Dr. Uday Aswalekar, Head of Mechanical Engineering Department, VCET**

**10.20am Message by Mr Swapnil Mane, Certified Energy Manager and Asst. Prof., Department of Mechanical Engineering, VCET**

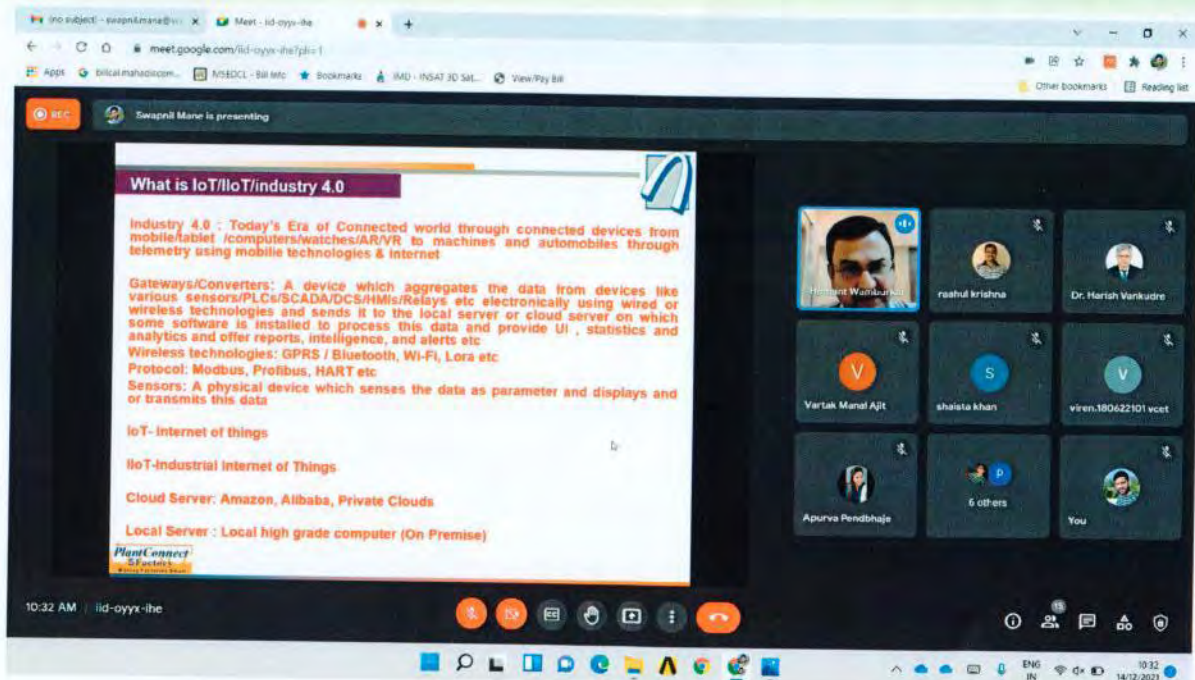
**10.30 am Expert session by Dr. Hemant Wamburkar, Director, Innovative Digital Energy Applications & Solutions, Pune, MH**

**ONLINE SESSIONS**

**CERTIFICATE**

**REGISTER NOW**

[www.energyatvcet.wordpress.com/ecw2021](http://www.energyatvcet.wordpress.com/ecw2021)



*S-R. Mane*

*Asaf*  
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Vasai Road-4

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# Vidyavardhini's College of Engineering & Technology

Academic Year 2019-20

## Report on Energy Conservation Week 2020

**Program** Energy Conservation Week 2020  
**Date** 14/12/2020 to 21/12/2020  
**Description** Every year, Department of Mechanical Engineering, Vidyavardhini's College of Engineering and Technology (VCET), Vasai (west), organizes "Energy Conservation Week". The event is organised on "World Energy Conservation Day" i.e 14<sup>th</sup> December to highlight the importance of energy consumption and its use in our day-today life.

The following activities are planned.

**Day 1** 9:30am Inauguration  
 1:30pm Guest Lecture on Fuel cells by Dr. Amit Bhosale, IIT Roorkee

**Day 2** 1:30pm "Solar Energy for Sustainable Lifestyle"  
 (Design your own solar system) by S. R. Mane

**Day 3** 2:00pm ECO-NIWAS by D. J. Choudhari

**Day 4** 9:30am Bicycle rally

**Day 5** 2:00pm "Bio-fuels- Need of an hour" by Dr. Ashish Chaudhary  
 3:00pm Valedictory and Certificate distribution www

**Organizing Committee** Coordinators: Dr. Uday Aswalekar, HOD Mechanical Engineering  
 Mr Swapnil R Mane, Assistant Professor, Mechanical Engineering  
 Mr Vishwas Palve, Assistant Professor, Mechanical Engineering  
 Chief Guest: Dr. Amit Bhosale, Assistant Professor, Department of Hydrogen Energy, IIT Roorkee

**Participation Details** 110 participants from and across various colleges participated in this online session and certificates were provided for those who actively participated in the workshop

**Total** 110

**Number of Participants**

**Google Meet**

**Description of Event** Topics Covered

1) **Dr. Amit Bhosale:** Fuel Cell and its Application. The use of Fuel cell as electrolysers. Challenges in implementing the technology of Fuel Cell in daily life.

*S. R. Mane*

*Aswalekar*  
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# Vidyavardhini's College of Engineering & Technology

## Academic Year 2019-20



2) **Mr. Swapnil Mane:** Solar Energy for Sustainable Lifestyle. How to install solar system for a residential purpose. He explained that as a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar energy can also improve air quality and reduce water use from energy production.

3) **Mr. Dipak Choudhari:** Indian rapid urbanization is creating an unprecedented demand for buildings, which already account for nearly 35 percent of India's total electricity consumption. The guest explained that energy efficiency is one of the world's largest energy resources and we are just beginning to tap its potential. India is at a unique crossroads where two-thirds of the commercial and high-rise residential structures that will exist in 2030 are yet to be built. Thus, implementing energy efficiency in buildings that will be constructed in the next decade offers an opportunity to significantly reduce the energy use and imparts cost savings for the next generation.



#### 4) **Bicycle Rally:**

The initiative was to spread awareness against the depletion of non-renewable resources and to save energy. They spread messages such as, saving energy means decreasing the amount of energy used while achieving a similar outcome of end use, using less energy has lots of

*Pravara*

*Asol*  
HEAD

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Year End-2020





of energy used while achieving a similar outcome of end use, using less energy has lots of benefits – you can save money and help the environment, generating energy requires precious natural resources, for instance coal, oil or gas. Therefore, using less energy helps us to preserve these resources and make them last longer in the future, instead of driving to work or school, take the bus, carpool, walk, or ride your bike to cut down on greenhouse gas emissions. Consider investing in appropriate technology like clean power (solar or wind), if not for your home maybe for a community centre.



### Feedback

Feedback and constructive comments were given by students and the events was successfully organized with certificates being presented to successful students.

[https://docs.google.com/spreadsheets/d/1JtRQpvNM3AwJgXhDr3YXpGLJv\\_Qxnpuu3ekxw0qjfHs/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1JtRQpvNM3AwJgXhDr3YXpGLJv_Qxnpuu3ekxw0qjfHs/edit?usp=sharing)

Prepared by  
Mr Swapnil Mane  
Co-ordinator, ECW 2020

*S.R.Mane*  
S.R.Mane

*Asapt*  
HEAD  
Dept. of Mechanical Engg.  
Vidyavardhini's College of  
Engineering & Technology  
Vasari Road-401202.

[Click here for summary page](#)

Vidyavardhini's College of Engineering & Technology, Vasai West  
Department of Mechanical Engineering

Energy Conservation Week 2018

## Introduction

World Energy Conservation Day is celebrated on 14<sup>th</sup> December globally to highlight the importance of energy consumption and its use in our day-to-day life.

It is a day for building up awareness regarding need for energy conservation, Energy efficiency and carefulness in energy use.

## The Program

OBJECTIVE: TO CREATE AWARENESS AMONG CITIZENS ABOUT THE CONSERVATION OF ENERGY.

### ACTIVITY:

Around 100 Faculty members will participate in the awareness program who will create awareness about Energy Conservation in their locality. Approximately 15 faculties from Mechanical Department will address 25 Societies to follow ENCON measures.

5 Faculties from PAT will decipher the best practices followed for Energy Conservation to approx 10 designated consumers (Utilities/Industries).

### PROCEDURE:

Explain the need for Energy Conservation.

Explain how Electricity flows from Power plant to household. [1 Unit saved = 2 Units Produced]

Take a note of various equipment in the house such as Lights, Fans, AC, Refrigerators, Water Heaters, etc.

Give Energy Conservation opportunities. (Conveyed during Lecture session)

Discuss various policies framed by government towards energy utilization and development.

Take Feedback.

### CONCLUSION:

At the end of the week (21st December 2018) we will analyse the usage pattern of household and understand the practices followed by these households. Comment on general suggestions made by the participants of this campaign.

*S. R. More*

*Asoph*

HEAD  
Dept. of Mechanical Engg.  
Vidyavardhini's College of  
Engineering & Technology  
Vasai Road-401202.

## Photos



*S.R. Mane*  
S. R. Mane  
ECW Coordinator

*Asw*  
HEAD  
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Vidyavardhini's College of  
Engineering & Technology  
Vasai Road-401202.

[Click here for summary page](#)

# Vidyavardhini's College of Engineering and Technology , Vasai

## NSS- Residential Camp Activity Report

(25 February 2020 to 2 March 2020)

The NSS unit of Vidyavardhini's College Of Engineering & Technology arranged a residential camp of 7 Days from 25<sup>th</sup> February to 3<sup>rd</sup> March 2020 at Kelthan village near Vajreshwari. The Induction Ceremony was held at the college campus and inaugurated by our principal Dr. Harish Vankudre with a brain storming session on 'Importance of Social Service in Education Sector'. The volunteers were instructed, guided & accompanied by Programme officer Dr. Pradip Gulbhile , and other staff members Prof.Vikrant Agaskar , Prof.Sandhya Supalkar Prof.Ekta Naik. Mr.Sachin Kadu ,Mr.Dhanesh Patil.

Post that, the inauguration ceremony was conducted at Kelthan village. The chief guests for the function were Shri Ajay Raut Saheb, Mr. Yashwant Kangane Saheb, Sarpanch Mr. Chaturya, Dr. Arun Mali and Mr. Datta Patil. The inaugural function was chaired by Prof. Arun Mali G.G. College Vasai along with 33 NSS volunteers. The function began with the tradition of lighting of lamp by the dignitaries. The chief guests welcomed all and emphasized the importance of selfless service to be rendered by NSS volunteers and their duties and responsibilities towards the society. They also highlighted the various initiatives to be taken up by the NSS unit of the college during the academic year 2020. We were humbled to witness Sarpanch Shri. Rajesh Chaturya and Upasarpanch Shri Dattarya Patil's words of wisdom adding value to the program.

Post inauguration, Dr. Ramdas Tonday delivered a heartwarming speech on how to make a community better, the hardships of social service, the determination and passion needed for the alteration of public happiness, the need to expand our outreach to educational settings, the impact of doing social service on ourselves, and most importantly the satisfaction that we get from helping others. These delicate yet very important topics were addressed to the NSS unit to help them with a positive beginning and to serve the community.

The very first activity of day 2- 26<sup>th</sup> February, 2020 was the morning exercise conducted by Mr. Ritik Singhvi (NSS Volunteer), which included Aerobics and Zumba. It was quite a good start to the day which induced lot of energy and strength in students.

Later, a rally was conducted across Kelthan village with 33 volunteers & faculty to spread the message "Save Girl Child". The rally was quite useful in imparting important values into villagers. Faculty in-charge of our college were kind enough to guide us throughout the whole rally. The motto of rally was successfully delivered by reciting slogans like "Beti Bachao Beti Padhao", "Mulgi Shikli Pragati Zhali", "Beti ko Adhikar do, Bete jaisa pyaar do" and attractive banners and posters on the way. The

next activity which was carried out was 'Socio-economic Survey', in which the NSS team consisting of 30 participants went door to door and conducted the survey, gathering information of the villager's social and economical status, literacy amongst the family, transport and farming information. Villagers were kind enough to spare time and answer all the questions asked by the NSS Unit. At times, villagers not having the knowledge about certain documents and their importance were explained by NSS unit, encouraging them to issue those documents as soon as possible. NSS team then also went to the schools and interacted with the students and informed them about the agenda and events of the camp concerned with them.

Day 3- 27<sup>th</sup> February, 2020 started at 7am with routine exercise and meditation. The entire NSS batch was then divided into 2 groups and various activities in the school for std. 1<sup>st</sup> to 4<sup>th</sup> and for std. 5<sup>th</sup> to 7<sup>th</sup> were conducted in "Jilha Parishad Kendrashala, Kheltan".

Events like passing the parcel game, drawing and handwriting competition for std. 1<sup>st</sup> to 4<sup>th</sup> were conducted and drawing and handwriting competition were conducted for std. 5<sup>th</sup> to 7<sup>th</sup>. One group of NSS volunteers handled primary section of the school and the other group handled secondary section of school. In primary section, drawing and handwriting competitions were conducted with great enthusiasm to which school students responded in huge numbers. Also, Passing the Parcel game was played with school students which entertained them and kept their interest intact. This event was a success with 170 school student's active participation.

Later a video demonstration was done on rain harvesting technique and their effective utilization for household and irrigation purposes, with Shri Ajay Raut Saheb as the event guest. With the count of viewers from various villages well above 500 people, the overall program's main aim was successfully achieved. Post this, a Street Play on 'Hygiene and Cleanliness' was arranged by a team of 20 NSS volunteers that proved helpful for promoting basic virtues in local civilians. The main focus was on the importance of keeping our surroundings clean through an amazing act and were able to grab the attention of an audience of nearly 600 villagers. At around 7 p.m., a religious 'Feast Ceremony' was arranged wherein NSS Unit helped out with the crowd management. NSS volunteers organized a food distribution event in which food was served by them to the common public. The event took place smoothly with a team of 30 NSS volunteers, effectively managing a crowd of 1500+ villagers to maintain discipline.

The 4<sup>th</sup> Day- 28<sup>th</sup> February, 2020 started with various exercises conducted by Prof. Ganesh Ambekar at 7am which included basic warm ups, suryanamaskar, yoga and cardio exercises.

The NSS team was then divided into two groups, of which, one batch was assigned to secondary section along with the Women Development Cell Team of Vidyavardhini's College of Engineering and Technology, who visited students of 8<sup>th</sup>

and 9<sup>th</sup> grade to conduct a seminar on 'Hygiene, Menstruation and its related problems' imparting knowledge to the students and a workshop on 'Self Defense' wherein a few self-defense techniques were taught to all the girls for their safety, with around 50+ student's active participation. Later, the WDC conducted various games for girls to outgrow their confidence and presentation skills. WDC also focused on gender equality and boosted confidence in girls to achieve their dreams and hopes with firm determination and conviction. It was an interactive event wherein all female students actively participated.

The second NSS team, assigned to secondary school, conducted the 'Tech Crack Quiz', a technical quiz and cricket and kho-kho matches for students of class 8<sup>th</sup> and 9<sup>th</sup>, to groom and display their skills and to enhance their physical health and team spirit. This activity was received quite well with nearly 60 student's enthusiastic participation. The skipping program was led by Mr. Sanil Jain (NSS Volunteer) for the students of Primary as well as Secondary section who were familiar with skipping, and were keen to learn new skills and improve themselves. It was an interactive event wherein 20+ students who were familiar with skipping actively participated.

Day 5- 29<sup>th</sup> February, 2020 commenced at around 7am with routine exercises wherein students performed Aerobics and Zumba. The entire batch was then divided into groups to carry out surveys and to collect water samples of drinking water from various households around the village.

A 'Socio-Economics' survey was conducted which consisted of filling of forms prepared for the villagers regarding their Social, Economic and Cultural details. This survey was conducted in the village which included gathering information of the villager's social and economic status, their knowledge of important legal documentation, literacy amongst the family, transport and farming information. This event proved to be indeed a success with 20 active participants and the villagers, as the guests of the event. Another crucial event was conducted under the guidance of Programme Officer Dr. Pradip Gulbhile. The NSS volunteers, divided into 3 groups. 200 water samples were collected from various places throughout the village to check the quality of water utilized by the village people. These were then taken to laboratories to check water quality and determine the 'Ph' value and other constituents present in the water. The objective of this event was to check drinking water quality of the village, which was indeed achieved by the determination and hard work of all the participants.

A 'Career Guidance Seminar' for the secondary school students of standard 8<sup>th</sup> and 9<sup>th</sup> was then conducted, wherein they were informed about the different considerable educational options pursuable right after grade 10<sup>th</sup>. A MS-CIT Workshop, a basic computer program (MS-CIT BASIC) for the students of 7<sup>th</sup> was also conducted in order to enhance and sharpen their skills on basic knowledge of computer software and hardware. Volunteers gave them an overview of all the content taught in MS-CIT

Course. Later, a seminar on "Basics of Computer Hardware & Software" was conducted which provided the knowledge about computers to the students.

Day 6- 1<sup>st</sup> March, 2020 started with morning exercises conducted by Mr. Ritik Singhvi and Mr. Gokul Kunchumuthu (NSS volunteers) which included warm-up and Aerobic exercises. Mr. Jai Harsora (NSS volunteer) conducted Zumba moves which was a power start to the day.

'Solar Ambassador Program' was conducted by NSS, which was attended by Trustee Mr. Yashwant kangane, Guest of Honor Mr. Ajay Raut along with Sarpanch and Upa-Sarpanch of Village and around 20+ villagers. The aim of the program was to introduce the concept of 'Usage of Solar Energy'. Prof. Swapnil Mane and Prof. Vishwas Palve, with the help of the NSS volunteers, were kind enough to guide the villagers through the seminar, with Professor Swapnil Mane briefing Solar Energy and its Statistics and Prof. Vishwas Palve explained the architecture and making of solar power plant and how new devices, useful to them, running on solar energy, could be invented.

A 'Soil Sampling Survey' was then conducted by the members of NSS wherein soil samples were collected from the area near the campsite, that is from the surrounding areas like primary school, secondary school, temple, offspring, village entrance and many more for its testing. The testing would be then carried out to gain ph, water contents, type and other such parameters. The Roadway of the Village was also surveyed by 4 Civil NSS Volunteers for the quality and requirements to improve the road.

Lastly, the Valedictory ceremony was held on 2<sup>nd</sup> March 2020. The faculty members of NSS gathered to give a warm farewell to all the NSS members.

With this, the journey thus ended on a jovial note with a heartwarming speech from Dr. Pradip Gulbhile who, on behalf of all the faculty members, appreciated student's hard work and their efforts, congratulating the students and motivated them to provide service to all the community.



Devbrat Singh

Student Leader ,NSS ,VCET.





Vidyavardhini's College of Engineering and Technology, Vasai  
विद्यावर्धिनीचे अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय, वसई  
Affiliated to the University of Mumbai.

NSS- RESIDENTIAL CAMP ACTIVITIES

25 February 2020 to 2 March 2020

Sr. No	NAME OF THE EVENT		No of Students participated	PERIOD
1	<ul style="list-style-type: none"><li>Camp Inauguration</li><li>Seminar on Pathway to success</li><li>Food preparation</li></ul>	Kelthan, Akloli, Vajreshwari	60	25/02/2020
2	<ul style="list-style-type: none"><li>Rally-save girl child ✓ (50)</li><li>Yoga activities</li><li>Socio-Economic survey</li><li>School Interaction</li><li>Lunch and dinner preparation</li></ul>	Kelthan, Akloli, Vajreshwari	102	26/02/2020
3	<ul style="list-style-type: none"><li>Meditation and yoga</li><li>✓ School competition: Drawing (125) ✓</li><li>80 - Handwriting and passing the parcel ✓</li><li>60 - Street play on waste management ✓</li><li>50 - Rain water harvesting awareness (50) ✓</li><li>Food distribution to villagers</li><li>Career Guidance Seminar</li><li>Personality Development Seminar</li></ul>	130 Kelthan Akloli, Vajreshwari	204	27/02/2020
4	<ul style="list-style-type: none"><li>123 - Aerobics and Zumba/Meditation /yoga</li><li>✓ Self-defense workshop - 115</li><li>Women hygiene seminar - 122</li><li>Sports competition for secondary school 123</li><li>117 - Talent hunt for students (50)</li></ul>	Kelthan Akloli, Vajreshwari	186	28/02/2020
5	<ul style="list-style-type: none"><li>Aerobics and Zumba/Meditation /yoga</li><li>Water quality survey - (50)</li><li>Career guidance in secondary school (50)</li><li>Socio-Economic survey</li><li>MS-CIT computer workshop 130</li></ul>	Kelthan Akloli, Vajreshwari	325	29/02/2020
6	<ul style="list-style-type: none"><li>Aerobics and Zumba/Meditation /yoga</li><li>Solar ambassador workshop - (50)</li><li>Water quality survey</li><li>Socio-Economic survey</li></ul>	Kelthan Akloli, Vajreshwari	165	01/03/2020
7	<ul style="list-style-type: none"><li>Aerobics and Zumba/Meditation /yoga</li><li>Valedictory session and group photo</li></ul>	Kelthan Akloli, Vajreshwari	113	02/03/2020





SALS

College Code No: \_\_\_\_\_

**PROFORMA - III**  
**UNIVERSITY OF MUMBAI, NATIONAL SERVICE SCHEME**  
**CONSOLIDATED REPORT OF THE ENROLLMENT**

Name of the College:- Vidyaardhini's College of Engineering and Technology  
 Total no. of Students in Degree College :- Male 32 Female 18 Total 50  
 Number of allocated NSS Unit(s) :- 50 The Enrollment list displayed on the notice board on (Date) \_\_\_\_\_  
 Name of the NSS Programme Officer/s-1. Dr. Pradip Gurbhale

NAH

Sr. No.	Class	FEMALE				MALE				TOTAL			
		S.C	OBC	GENERAL	TOTAL	S.C	OBC	GENERAL	TOTAL	S.C	OBC	GENERAL	TOTAL
1	BE COMPS								1				1
2	TE COMPS	1		2	3			1	1			3	4
3	BE IT			1	1							1	1
4	TE IT			3	3	1			1			3	4
5	BE INST		1	2	3			8	8			10	11
6	TE INST			5	5		2	3	5		2	8	10
7	BE MECH		1	1	2		2	2	5		2	3	7
8	TE MECH					1	2	5	8		2	5	8
9	TE CIVIL					1		1	2			1	2
10	TE EXTC			1	1		1		1			1	2
	TOTAL	1	2	15	18	5	7	20	32	6	9	35	50

**CLASSIFICATION OF STUDENTS**

	S.C	OBC	GENERAL	TOTAL
FEMALE	1	2	15	18
MALE	5	7	20	32
TOTAL	6	9	35	50

old list to the college.  
 returned by Registrar  
 DATE: 11/12/2019  
 PLACE: Vasai  
 Signature of the Programme Officer(s)  
Dr. Pradip Gurbhale



Signature of the Principal  
**VIDYARDHINI'S COLLEGE**  
 OF  
**ENGINEERING & TECHNOLOGY**  
 VASAI ROAD 401 202.



















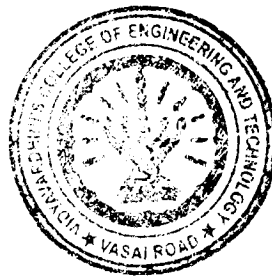




**NSS Residential Camp – Palghar**  
 Campsite – Prati Shirdi Saibaba Mandir, Village – kheltan, Taluka - Bhiwandi  
 25th February 2020 – 2 March 2020

## Daily Schedule

Day & Date	Time	Activities
<b>DAY-I</b>  <b>Tuesday</b> <b>25.02.20</b>	9am sharp	Assembling at College Campus
	12 noon to 2pm	1) Induction Ceremony held in College Campus. 2) Reaching campsite, getting familiar with accommodation and facilities available 3) Do's and Don'ts inside the campus 4) Hanging banners at various locations 5) Group photo with banner at campsite
	2pm to 2:30pm	Group making & distribution of work
	2:30pm to 3pm	Prayer n Lunch
	3pm to 5pm	Inauguration of camp followed by address of Shri Ajay raut Saheb, Kheltan.
	5pm to 6pm	Seminar on "Pathway to Successful Living"
	6pm to 6:30pm	Tea break
	6:30pm to 8pm	Dinner preparation by kitchen team
	8pm to 9pm	Dinner and cleaning
	9pm to 9:30pm	Mobile phone allowed
	10pm	Lights off



*John*  
P. O. N. S. S.

**NSS Residential Camp – Palghar**  
**Campsite – Prati Shirdi Saibaba Mandir, Village – kheltan, Taluka - Bhiwandi**  
**25th February 2020 – 2 March 2020**

## Daily Schedule

Day & Date	Time	Activities
<b>DAY-II</b> <b>Wednesday</b> <b>26.02.20</b>	6am to 7am	Wake up and freshen up
	7am to 8am	Aerobics & Zumba on the ground
	8am to 9am	Breakfast
	9am to 10am	Poster Making and Rally Preparation
	10am to 1pm	Rally on theme “Save Girl Child” around Village
	1pm to 2pm	Prayer and Lunch Preparation
	2pm to 3pm	Lunch
	3pm to 6:30pm	Social Economic Survey & School Interaction
	6:30pm to 7pm	Tea break
	7pm to 8pm	Dinner Preparation & Cooking
	8pm to 9pm	Dinner time
	10pm	Lights off

Day & Date	Time	Activities
<b>DAY-III</b> <b>Thursday</b> <b>27.02.2020</b>	6am to 7am	Wake up and freshen up
	7am to 8am	Meditation on Ground
	8am to 9am	Breakfast
	9am to 1pm	Primary School Competitions ( Drawing & Handwriting)
	1pm to 2pm	Prayer and Lunch Preparation
	2pm to 3pm	Lunch
	3pm to 5pm	“Passing the Parcel” game & Result declaration to School students.
	5pm to 5:30pm	Tea break
	5pm to 6pm	Street Play on “Waste Management”
	6pm to 6:30pm	Prayer in Prati Shirdi Saibaba mandir
	6:30pm to 10pm	1. Rainwater Harvesting Awareness to Villagers. 2. Food Preparation & Distribution to Villagers.
	10pm to 11pm	Dinner time
	11pm to 12pm	Wind Up Food Distribution
12pm	Lights off	



*Johny*  
P.O. - N.S.S.

**NSS Residential Camp – Palghar**  
 Campsite – Prati Shirdi Saibaba Mandir, Village – kheltan, Taluka - Bhiwandi  
 25th February 2020 – 2 March 2020

## Daily Schedule

Day & Date	Time	Activities
<b>DAY-IV</b>  <b>Friday</b> <b>28.02.2020</b>	6am to 7am	Wake up and freshen up
	7am to 8am	Excercise and yoga on the ground
	8am to 9am	Breakfast
	9am to 1pm	1. WDC “Self Defense Workshop” 2. WDC “Women Hygiene Seminar” 3. Sports Competition for Seconday School.
	1pm to 2pm	Prayer and Lunch Preparation
	2pm to 3pm	Lunch
	3pm to 5:30pm	1. Talent Hunt For students 2. Skipping Program 3. Sports Competition Result Declaration & Prize Distribution
	5:30pm to 6pm	Tea break
	6pm to 8pm	Dinner Preparation & Cooking
	8pm to 9pm	Dinner time
	10pm	Lights off

Day & Date	Time	Activities
<b>DAY-V</b>  <b>Saturday</b> <b>29.02.2020</b>	6am to 7am	Wake up and freshen up
	7am to 8am	Aerobics & Zumba on the ground
	8am to 9am	Breakfast
	9am to 1pm	1. Water Quality Survey (Drinking Water Sampling) 2. Career Guidance (8th & 9th Grade) 3. Social Economic Survey
	1pm to 2pm	Prayer and Lunch Preparation
	2pm to 3pm	Lunch
	3pm to 6pm	1. Water Quality Survey (Drinking Water Sampling) 2. MS-CIT Basic Computer Workshop (7th Grade) 3. Social Economic Survey
	6pm to 6:30pm	Tea break
	6:30pm to 7:30pm	Dinner Preparation & Cooking
	8pm to 9pm	Dinner time
	10pm	Lights off



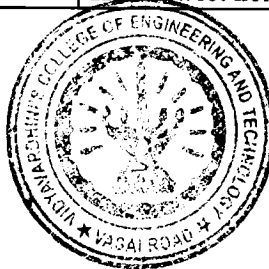
*Johny*  
P.O. N.S.S.

**NSS Residential Camp – Palghar**  
**Campsite – Prati Shirdi Saibaba Mandir, Village – kheltan, Taluka - Bhiwandi**  
**25th February 2020 – 2 March 2020**

## Daily Schedule

Day & Date	Time	Activities
<b>DAY-VI</b>  <b>Sunday</b> <b>01.03.2020</b>	6am to 7am	Wake up and freshen up
	7am to 8am	Aerobics & Zumba on the ground
	8am to 9am	Breakfast
	9am to 1pm	1. Solar Ambassador Workshop for Villagers 2. Water Quality Survey (Drinking Water Sampling)
	1pm to 2pm	Prayer and Lunch Preparation
	2pm to 3pm	Lunch
	3pm to 6pm	1. Soil Quality Sampling 2. Roadway to Village Survey 3. Social Economic Survey
	6pm to 6:30pm	Tea break
	6:30pm to 7:30pm	Dinner Preparation & Cooking
	8pm to 9pm	Dinner time
	10pm	Lights off

Day & Date	Time	Activities
<b>DAY-VII</b>  <b>Monday</b> <b>02.03.2020</b>	5am to 6am	Wake up and freshen up
	6am to 8am	Meditation
	8am to 9am	Breakfast
	9am to 12noon	Valedictory session and Group photo
	12 noon to 1pm	Departure from Camp Site
	3pm	Arrival At College Campus
	3pm to 3:30pm	Conclusion Ceremony by Programme Officer
	4pm	Home sweet home



*Jalaj*  
P.O. - NSS.



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2019-20
Title of the activity	water quality survey
Date of the activity	29-02-2020
Description of the activity	Volunteers divided into 3 groups, & did water sampling
Venue of the event	Kelthian
Organizing committee	NSS - VCET
Number of participants	55

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai





**Vidyavardhini's College of Engineering & Technology**

K.T. Marg, Vasai Road (W), Palghar – 401202



**N.S.S. Committee (2019-20)**

**Date - 29th Feb, 2020**

To,

The Principal

VCET

**Subject: Report on Water Quality Survey Village, Kelthan**

Respected Sir,

NSS VCET organized an NSS Residential Camp from February 26th, 2024, to March 1st, 2024.

A water quality survey was conducted on the fourth day of the NSS Residential Camp in Kelthan village.

NSS volunteers were divided into 3 groups. 200 water samples were collected from various places throughout the village to check the quality of water utilized by people.

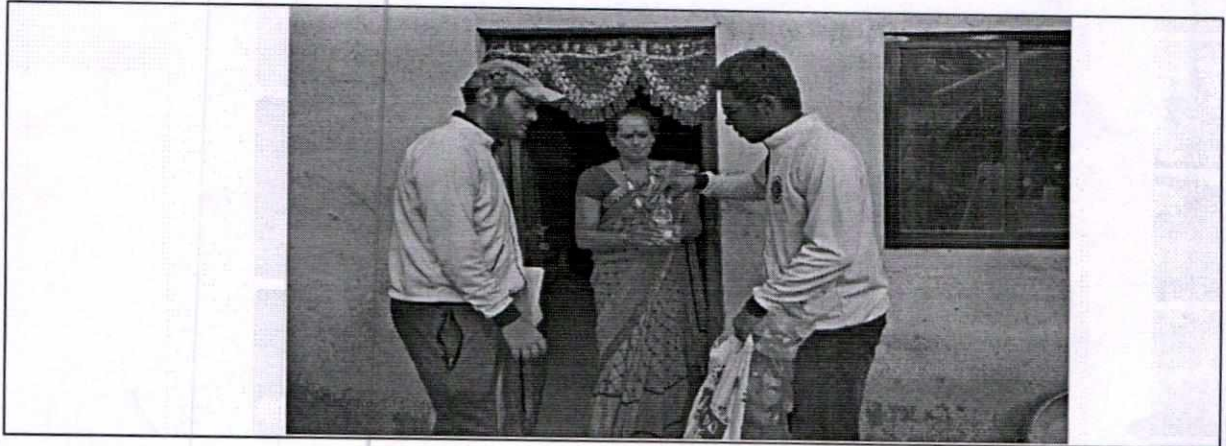
The objective of this event is to check the drinking water quality of the village. All the participants worked hard to collect samples across the village.

Thank you.

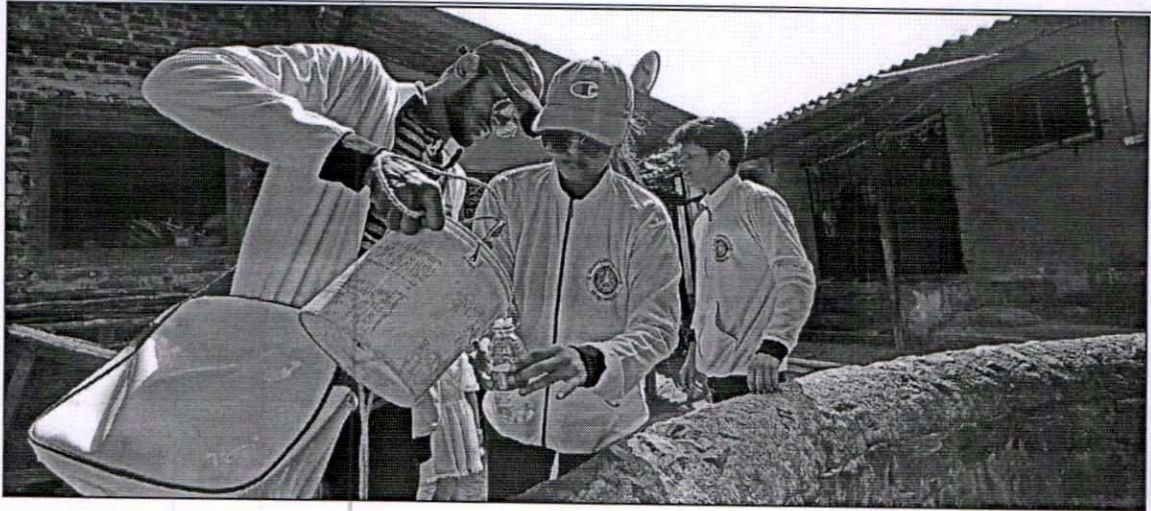
Dr. Pradip Gulbhile,

Programme Officer,

NSS



gdy



*Joly*



## Report on Water Quality Testing of Kelthan Village, Wajreshwari

A Residential Camp of 07 days from 25/02/2020 to 02/03/2020 was arranged by NSS group of Vidyavardhini's College of Engineering and Technology, Vasai at Saibaba Temple, Shree Eshwardham Trust, village- Kelthan near Wajreshwari. Along with the Programme Officer, Dr. Pradip Gulbhile, 36 students and few faculty members were part of this Camp.

In view of Development of the village, water samples from village were collected on 01/03/2020 for testing their quality. The different sources from which water samples were collected were Tap water, Bore well, Well and Hand Pump and these samples were tested in Environmental Engineering Laboratory of the College. The samples were tested by the students of T.E. Civil namely Rishabh Sharma, Dhammadip Kamble, Prem Khanderao and Aniket Agavane under the guidance of Staff and Lab Incharge Asst.Prof. Puja Kadam.

The Observations and Conclusions made on testing of Water Samples are as follows:

### **1. Determination of pH of water sample:**

#### **a. Tap water**

Sr. No.	Temperature	P
1	28°C	8.7
2	28°C	8.6
3	28°C	8.5

**The average Ph of Tap water Sample is 8.60**



**b. Well**

Sr. No.	Temperature	pH
1	28°C	8.46
2	28°C	8.31
3	28°C	8.27
4	28°C	8.46
5	28°C	8.46

The average Ph of Well water Sample is 8.39

**c. Bore Well**

Sr. No.	Temperature	pH
1	28°C	8.55
2	28°C	8.72
3	28°C	8.62
4	28°C	8.50
5	28°C	8.56

The average Ph of Bore Well water Sample is 8.59



**d. Hand Pump**

Sr. No.	Temperature	Ph
1	28°C	8.79
2	28°C	8.54
3	28°C	8.33
4	28°C	8.98
5	28°C	8.56

The average Ph of Hand Pump water Sample is 8.64

**2. Determination of Dissolved Oxygen (D.O.) of Water Sample:**

**a. Tap water**

Sr. No.	Temperature	D.O. (mg/l)
1	28°C	6
2	28°C	5.4
3	28°C	5.6

The average D.O. of Tap water Sample is 5.67mg/l

**b. Well**

Sr. No.	Temperature	D.O. (mg/l)
1	28°C	8.4
2	28°C	7.7



3	28°C	6.6
4	28°C	6.4
5	28°C	8.4

The average D.O. of Well water Sample is 7.5 mg/l

c. Bore Well

Sr. No.	Temperature	D.O. (mg/l)
1	28°C	3.0
2	28°C	3.8
3	28°C	4.2
4	28°C	3.3
5	28°C	3.6

The average D.O. of Bore Well water Sample is 3.58 mg/l

d. Hand Pump

Sr. No.	Temperature	D.O. (mg/l)
1	28°C	5.8
2	28°C	4.4
3	28°C	5.1
4	28°C	6.1
5	28°C	4.2



The average D.O. of Hand Pump water Sample is 5.12 mg/l

### 3. Determination of Turbidity of Water Sample:

Turbidity is a measure of the degree to which the water loses its transparency due to the presence of suspended particulate matter.

#### a. Tap Water

Sr. No.	Turbidity ( NTU)
1	8
2	11
3	10

The average Turbidity of Tap Water water Sample is 9.6 NTU

#### b. Well

Sr. No.	Turbidity ( NTU)
1	16
2	10
3	14
4	15
5	15

The average Turbidity of Well Water water Sample is 14 NTU

#### c. Bore Well

Sr. No.	Turbidity ( NTU)
---------	------------------





1		12
2		11
3		11
4		11
5		11

The average Turbidity of Bore Well Water Sample is 11.2 NTU

d. Hand Pump

Sr. No.	Turbidity ( NTU)
1	10
2	12
3	13
4	15
5	11

The average Turbidity of Tap Water Sample is 12.2 NTU

4. **Determination of Hardness of Water Sample:**

a. Tap Water



Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of EDTA (ml)
		Initial	Final	
1	20	1	4.5	3.5
2	20	4.5	8.5	4
3	20	8.5	11.5	3
4	20	11.5	15.4	3.9
Average Volume of EDTA used				3.6

**Calculation:**

Normality of EDTA =  $N = 0.02\text{ N}$

Equivalent weight of  $\text{CaCO}_3 = 50$

Volume of Sample Taken =  $20\text{ ml}$

Volume of EDTA used =  $3.6\text{ ml}$

**Total Hardness in mg/l of  $\text{CaCO}_3$**  =  $\left[ \frac{\text{Volume of EDTA used} \times N \times 50}{\text{Volume of Sample taken}} \right] \times 1000$

$$= \left[ \frac{3.6 \times 0.02 \times 50}{20} \right] \times 1000$$

$$= 180\text{ mg/l}$$

**b. Well**

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of EDTA (ml)
		Initial	Final	
1	20	15.4	18.5	3.1
2	20	21.5	26.8	5.3
3	20	26.8	31.5	4.7
4	20	31.5	35.4	3.9
5	20	35.4	39.2	3.8
Average Volume of EDTA used				4.16



**Calculation:**

Normality of EDTA = N= 0.02 N

Equivalent weight of  $\text{CaCO}_3$  = 50

Volume of Sample Taken = 20ml

Volume of EDTA used= 4.16 ml

**Total Hardness in mg/l of  $\text{CaCO}_3$**  = [( Volume of EDTA used X N X 50) / ( Volume of Sample taken)] X 1000

$$= [(4.16 \times 0.02 \times 50) / 20] \times 1000$$

$$= 208 \text{ mg/l}$$

c. Bore Well

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of EDTA (ml)
		Initial	Final	
1	20	39.2	42.5	3.3
2	20	42.5	46.6	4.1
3	20	1	5.5	4.5
4	20	9.5	12.4	2.9
5	20	12.4	16.2	3.8
<b>Average Volume of EDTA used</b>				<b>3.72</b>

**Calculation:**

Normality of EDTA = N= 0.02 N

Equivalent weight of  $\text{CaCO}_3$  = 50

Volume of Sample Taken = 20ml

Volume of EDTA used= 3.72 ml



**Total Hardness in mg/l of CaCO<sub>3</sub>** = [( Volume of EDTA used X N X 50) / ( Volume of Sample taken)] X 1000

$$= [(3.72 \times 0.02 \times 50) / 20] \times 1000$$

$$= 186 \text{ mg/l}$$

d. Hand Pump

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of EDTA (ml)
		Initial	Final	
1	20	16.2	20	3.8
2	20	20	22.5	2.5
3	20	22.5	26.1	3.6
4	20	31.1	35	3.9
5	20	35	38.8	3.8
Average Volume of EDTA used				3.52

Calculation:

Normality of EDTA = N= 0.02 N

Equivalent weight of CaCO<sub>3</sub> = 50

Volume of Sample Taken = 20ml

Volume of EDTA used = 3.52 ml

**Total Hardness in mg/l of CaCO<sub>3</sub>** = [( Volume of EDTA used X N X 50) / ( Volume of Sample taken)] X 1000

$$= [(3.52 \times 0.02 \times 50) / 20] \times 1000$$

$$= 176 \text{ mg/l}$$

5. **Determination of Chlorides in water sample:**

a. Tap Water



Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of AgNO <sub>3</sub> (ml)
		Initial	Final	
1	20	0.4	0.8	0.4
2	20	0.8	1.2	0.4
3	20	1.2	1.7	0.5
Blank	20	0	0.4	0.4
Average Volume of AgNO <sub>3</sub> used				0.43

**Calculation:**

Normality of AgNO<sub>3</sub> = N = 0.0282 N

Equivalent weight of Chlorine = 35.45

Volume of Sample Taken = 20ml

Volume of AgNO<sub>3</sub> used = 0.43 ml

Chlorides in mg/l = [( Volume of AgNO<sub>3</sub> used X N X 35.45) / ( Volume of Sample taken)]  
X 1000

$$= [(0.43 \times 0.0282 \times 35.45) / 20] \times 1000$$

$$= 21.49 \text{ mg/l}$$

**b. Well**

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of AgNO <sub>3</sub> (ml)
		Initial	Final	
1	20	1.7	2.5	0.8
2	20	2.5	3.5	1.0
3	20	3.5	3.7	0.2
4	20	3.7	4.3	0.6
5	20	4.3	5.4	1.1
Average Volume of AgNO <sub>3</sub> used				0.74



**Calculation:**

Normality of  $\text{AgNO}_3 = N = 0.0282 \text{ N}$

Equivalent weight of Chlorine = 35.45

Volume of Sample Taken = 20ml

Volume of  $\text{AgNO}_3$  used = 0.74 ml

**Chlorides in mg/l** = [( Volume of  $\text{AgNO}_3$  used X N X 35.45) / ( Volume of Sample taken)]  
X 1000

$$= [(0.74 \times 0.0282 \times 35.45) / 20] \times 1000$$

$$= 36.98 \text{ mg/l}$$

**c. Bore Well**

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of $\text{AgNO}_3$ (ml)
		Initial	Final	
1	20	5.4	7.2	1.8
2	20	7.2	8.3	1.1
3	20	8.3	9.1	0.8
4	20	9.1	9.7	0.6
5	20	9.7	12.5	2.8
Average Volume of $\text{AgNO}_3$ used				1.42

**Calculation:**

Normality of  $\text{AgNO}_3 = N = 0.0282 \text{ N}$

Equivalent weight of Chlorine = 35.45

Volume of Sample Taken = 20ml

Volume of  $\text{AgNO}_3$  used = 1.42 ml



Chlorides in mg/l = [( Volume of AgNO<sub>3</sub> used X N X 35.45) / ( Volume of Sample taken)] X 1000

$$= [(1.42 \times 0.0282 \times 35.45) / 20] \times 1000$$

$$= 70.97 \text{ mg/l}$$

d. Hand Pump

Sr. No.	Volume of Sample (ml)	Burette Reading (ml)		Volume of AgNO <sub>3</sub> (ml)
		Initial	Final	
1	20	12.5	14.9	2.4
2	20	14.9	17.1	2.2
3	20	17.1	17.9	0.8
4	20	17.9	18.8	0.9
5	20	18.8	19.4	0.6
Average Volume of AgNO <sub>3</sub> used				1.38

Calculation:

Normality of AgNO<sub>3</sub> = N = 0.0282 N

Equivalent weight of Chlorine = 35.45

Volume of Sample Taken = 20ml

Volume of AgNO<sub>3</sub> used = 1.38 ml

Chlorides in mg/l = [( Volume of AgNO<sub>3</sub> used X N X 35.45) / ( Volume of Sample taken)] X 1000

$$= [(1.38 \times 0.0282 \times 35.45) / 20] \times 1000$$

$$= 68.97 \text{ mg/l}$$

Conclusion:

Characteristic	Types of Water Sample	B.I.S Limits for Drinking
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Types of Water	Sources of Water				Water Quality Parameters	
	Tap Water	Well Water	Bore Well	Hand Pump	Requirement (Acceptable Limit)	Permissible limit in absence of Alternate Source
pH	8.60	8.39	8.59	8.64	6.5-8.5	No Relaxation
D.O. (mg/l)	5.67	7.5	3.58	5.12	> 5	-
Turbidity (N.T.U)	9.6	14	11.2	12.2	1	5
Hardness (mg/l)	180	208	186	176	200	600
Chlorides (mg/l)	21.49	36.98	70.9 7	68.97	250	1000

**Classification of Water on the basis of Total Hardness**

Total Hardness (mg/l)	Nature
0-60	Soft
61-120	Moderate
121-180	Hard
>181	Very Hard

**Conclusion :** From the above tables, it thus concludes :

- The tapwater and handpump water have pH on higher level on alkaline side and hence not safe for drinking in terms of pH





Vidya Vardhini's College of Engineering & Technology Department  
of Civil Engineering

- D.O. Level of Borewell is very low and hence not safe for drinking in terms of D.O
- The turbidity of Well water, Bore Well and Hand pump water is very high and not safe for drinking in terms of turbidity
- The hardness of Tap water, Well water, Bore Well and Hand pump water is high and it indicates very hard water



Students of T.E. Civil who tested the Water Quality



*S. K. S. S.*

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*P. J. S.*  
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# WATER QUALITY SURVEY

Sampling, Testing & Analysis.



## NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
1	Narudev Jadhav	Well	Joint Problem	6
2	Ramchandra Shivam Patil	Bore Well	-	5
3	sandip Ganpat Patil.	Bore Well	Knee Problem	4
4	Santosh Madavi	well	-	6
5	Pandurang Patil	Hand Pump	-	6
6	Jagan Patil	Hand Pump	Joint Problems	5
7	Anita Pandurang Tumbra	Hand Pump	-	10
8	Karuna Bhoir	well	-	5
9	Anil Chaturya	Hand Pump	Kidney Problem	4
10	Sunita Gharat	well	Respiratory issue	11
11	Mahesh Jadhav	well	-	4
12	Karishma Patil	well	BP/Diabetics	5
13	Harishchandra Kanna Jadhav	Bore well	Diabetics	3
14	Bhagyashree Patil	well	-	10
15	Barku Bhuyal	Hand Pump	-	5
16	Anakita Patil.	well	-	5
17	Ankush Bhuyal.	Hand Pump	Back pain/Joint	7
18	Ramchandra Patil.	Bore well	BP.	5
19	MohanBhau Jadhav	Bore well	-	3
20	Mahesh Baban Tumbada	well	-	3
21	Raigovind Kachare	Hand Pump	-	6
22	Kasturi Chaturya	well	-	6
23	Suresh Jadhav	well	-	4
24	Kaveri Patil	well	Joint/Backpain.	3
25	Anant Patil	well	-	9
26	Mohan Patil	Bore well	-	4
27	savita Girane	well	Joint Problem	4
28	Dayanand Chature	well	-	4
29	sanjay Patil.	well	BP	10
30	Nakul Bhuyal.	well	BP/Diabetes.	5

Borewell (GW) Muncipal Supply (MS) Well (W) - Mention if any other source of water supply.

Jadhav



# WATER QUALITY SURVEY

Sampling, Testing & Analysis.



NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
31	Ramchandra Ambo Jadhav	Bore well		5
32	Sumanta Navsu Raut	Bore well		1
33	Akshay Ananta Jadhav	Well		5
34	Aranti Ajit Tumbda	Bore well		6
35	Vasant Sadanand Zhate	Bore well		7
36	Goma Bhagya Tumbda	Bore well		3
37	Ramesh Shankar Jadhav	Bore well		5
38	Gurunath Shivram Zhate	Bore well		10
39	Toluram Chima Jadhav	Bore well		6
40	Dayanand Ananta Jadhav	Hand Pump		4
41	Ananta Chima Jadhav	Hand Pump		6
42	Hareesh Ramchandra Bhopi	Hand Pump		3
43	Nareesh Nathu Padosa	Hand Pump		6
44	Dhau Bhagya Tumbda	Bore well		6
45	Yashwant Ganpat Jadhav	Bore well		6
46	Nanaji Jhipru Patil	Bore well		3
47	Kalpna Raghunath Jadhav	Bore well		3
48	Ramesh Govind Farad	Well		5
49	Narmada Nareesh Pawar	Well		3
50	Haribhau Mithu Patil	Well		5
51	Vishram Bhidu Thakrey	Bore well		2
52	Hemant Ramachandra Bhopi	Bore well		3
53	Vithal Bapu Padosa	Bore well		6
54	Chandrakant Shivram Jadhav	Bore well		6
55	Ganesh Namdev Patil	Bore well		8
56	Damodar Gopal Patil	Hand Pump		2
57	Jaywant Gopal Pandav	Bore well		6
58	Suresh L. Pawar	Bore well		4
59	Meena Dhau Tumbda	Bore well		6
60	Ranjana Raghunath Zhate	Bore well		7

Borewell (GW) Municipal Supply (MS) Well (W) - Mention if any other source of water supply.

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## WATER QUALITY SURVEY

Sampling, Testing & Analysis.



### NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
61	Balu Masuti Baswat	W	-	7
62	Shyam Narayan Pavao	W	Diarrhea	7
63	Sanjay Amrut padosa	W	Viral Fever	6
64	Narendra Jadhav	GW	-	4
65	Anita Santosh Dagle	W	Viral Fever	6
66	Yogesh Baban Tumbda	GW	-	4
67	Mangesh N. Ganeshkar	T	-	6
68	Promod Bhaskar Raut	GW	Diarrhea	3
69	Josna Jagdish Patil	GW	-	5
70	Hemant Dhau Maskar	T	-	5
71	SURESH PANDU PAWAR	W	-	4
72	Sharmila Shashikant Yadav	GW	-	4
73	Sharmila Shveedhar Waghale	GW	Viral Fever	2
74	Sachin Manze	GW	-	4
75	Kathoad Tumbada	GW	-	4
76	RAMCHANDRA BAPU	GW	-	4
77	Budhaj Shivram Zote	GW	-	5
78	Ashok Raghunath Salunkhe	GW	-	2
79	Suresh Baghya Padhusa	GW	Viral Fever	8
80	Yogini Yogesh Kachre	GW	-	6
81	Ranjana Raghunath patil	GW	-	6
82	Ganesh Gopal Patil	GW	-	3
83	Ritik Atul Kamle	GW	-	2
84	Yogesh chandra Jadhav	W	-	5
85	Morse Rakesh Patil	W	-	3
86	Mahesh Jeetju Patil	W	Diarrhea	2
87	Nakul Santket Kermam	T	Viral Fever	4
88	Ravindra Santhak Jadhav	GW	-	5
89	Rakesh Nakul Kahodane	W	-	3
90	Ajay Nitin Kamle	GW	-	4

Borewell (GW) Municipal Supply (MS) Well (W) - Mention if any other source of water supply.

Tank (T)

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group 1



# WATER QUALITY SURVEY

## Sampling, Testing & Analysis.



### NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
101	Krutika Gharat	well	Joint pain	6
102	Gurudev Solkar	Hand-pump	-	5
103	Ramu Bhasm	Hand-pump	-	4
104	Krishna Tumbara	Hand-pump	-	3
105	Magesh Edne	Borewell	-	5
106	Suresh Tumbara	well	Joint problem	4
107	Tukaram Kodam	Tap	-	6
108	Dhondiba Kasare	Borewell	-	4
109	Santosh Edne	well	Backpain	5
110	Mangesh Charan	Borewell	-	7
111	Aniket Patil	Borewell	-	3
112	Premrao Patil	well	-	4
113	Kondiram Patil	Handpump	BP / Diabetes	7
114	Sakharan Tadhar	well	-	5
115	Shekhar Kelkar	Handpump	-	6
116	Anil Patil	well	Paralysis	3
117	Avinash Tumbara	Borewell	-	6
118	Tulsiram Patil	Hand pump	-	5
119	Sharad Tadhar	Borewell	Sugar	4
120	Ramesh Tadhar	Hand pump	Joint pain	4
121	Akhay Tadhar	well	-	6
122	Dhanrajay Kelkar	Handpump	-	7
123	Santoba Kale	Handpump	-	3
124	Mahadev Sonavane	Borewell/well	BP	6
125	Uttam Raut	Borewell	-	5
126	Manohar Kambik	well	Aakdi (Arthritis)	3
127	Keshav Kambik	Tap	-	6
128	Bhagvan Gharat	Borewell	-	4
129	Paraji Gharat	Hand pump	Joint problem	5
130	Chandrakant Shinde	well	Knee / Back/Joint	7

Borewell (GW) Municipal Supply (MS) Well (W) - Mention if any other source of water supply.

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# WATER QUALITY SURVEY

Sampling, Testing & Analysis.



## NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
131	Dayanand Chima Bhopi	W	Jaundice	5
132	Akash Krishna Tumbda	GW	-	6
133	Jagdish Kanu Zhate	GW	-	6
134	Kavita Shivram Jadhav	GW	Diarrhea	7
135	Vanita Atish Zhate	GW	-	5
136	Bharat Bhagya Tumbda	HP	-	10
137	Balu Nago Ganeshkar	HP	-	4
138	Mahesh Nathu Tumbda	HP	Jaundice	6
139	Hari Ramu Padosa	HP	-	7
140	Hema Govind Jadhav	HP	-	6
141	Shivram Ramchandra Bhopi	HP	Stomach ache	6
142	Rachna Anant Jadhav	W	-	6
143	Prakash Shivu Jadhav	W	-	8
144	Samanta V. Maskar	W	Jaundice	3
145	Naresh Shivu Jadhav	HP	Stomach ache	5
146	Ananta Raju Padosa	HP	-	6
147	Rakesh Suresh Padosa	HP	-	7
148	Hitesh Arjun Manvi	HP	-	6
149	Amol Prakash Bhuyal	W	Diarrhea	6
150	Abhishek Sushant Patil	W	-	5
151	Dinesh Krishna Kothavna	W	-	7
152	Abhijeet Manohar Gore	W	-	8
153	Prathmesh Toluram Patil	W	Diarrhea	6
154	Ajay Balu Atkari	GW	-	6
155	Arun Hitesh Patil	GW	-	5
156	Vishal Dinesh Raut	GW	-	5
157	Raghu Potya Padosa	GW	-	7
158	Kisan Dattaram Zhate	HP	-	10
159	Deva Manohar Jadhav	HP	-	3
160	Jagdish Balu Raut	HP	-	4
<del>161</del>				

Borewell (GW) Municipal Supply (MS) Well (W) - Mention if any other source of water supply.  
Hand Pump (HP)

Joy



# WATER QUALITY SURVEY

Sampling, Testing & Analysis.



## NSS UNIT

Bottle No.	Householder's Name	Source of Water	Health Issues (If Any)	No. of Family Members
161	Priyanka Patil	GW	-	4
162	Anusaya Jadhav	GW	Cough	3
163	Pandhavi Bhuyal	GW	-	4
164	Ramesh Atrave	GW	Joint Pain	5
165	Vidya Mali	GW	-	3
166	Ajit Patil	GW	-	4
167	Reshma Jadhav	GW	-	6
168	Rajat suter	w	-	7
169	Hari Manvi	w	-	8
170	Prathamesh Kothavna	w	-	4
171	Manohar Myskising	w	-	4
172	Dattaram Jadhav.	w	-	4
173	Anil Patil	w	-	3
174	Dnyanesh Atrave	w	Viral Fever	2
175	Vishal Zharde.	w	-	4
176	Balu Bhuyal.	w	-	3
177	Jagdish Kale.	GW	-	3
178	Nathu Padasa	w	-	5
179	Shiva Rane.	GW	-	6
180	Tukaram Raut.	GW	-	5
181	Bala Karkane.	w	-	5
182	Rajal Mali	w	Stomach Ache	4
183	Rajaram Gale.	w	Viral Fever	3
184	Vidya Kant Bhole	GW	-	3
185	Ramesh Bhoje.	GW	-	4
186	Anish Patil	w	Cough	3
187	Suresh Karkane.	w	Cough	3
188	Rachna Markale	w	-	3
189	Radhabai Jadhav	w	Viral Fever.	4
190	Tarvi Patil.	GW	-	4
191	Deva. Shinde	GW	-	6
192	Balaram Mali	GW	-	5

Borewell (GW) Municipal Supply (MS) Well (W) - Mention if any other source of water supply.

*[Handwritten Signature]*







Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar - 401202



### N.S.S. Committee (2019-20)

Sr. No	Name	Year
1	Vipul Bhoir	BE
2	Vaibhav Rai	BE
3	Shravan Tawde	BE
4	Aryan Parab	BE
5	Sanjana Tiwari	BE
6	Aniket Jha	BE
7	Prachi Shah	BE
8	Tanzil Irfan Shaikh	BE
9	Roma Dhake	BE
10	Dhrumil Bhatt	BE
11	Rishabh Sharma	BE
12	Sayali Gupta	BE
13	Ameey Chaudhari	BE
14	Siddharth Chakravarty	BE
15	Vaishnavi Gaikwad	BE
16	Riya Raut	BE
17	Prem Khanderao	BE
18	Meet Mehta	BE
19	Gargi Betawadkar	BE
20	Umesh Jadhav	BE
21	Abhishek Deshmukh	BE
22	Dhiraj Raut	TE
23	Pratik Jadhav	TE
24	Devbhatt singh	TE
25	Nohal Warang	TE
26	Disha Pote	TE
27	Heramb Botawadkar	TE
28	Sarvesh Shinde	TE
29	Praseeda Prabhu	TE
30	Aditi Rathod	SE
31	Rithesh Shetty	TE
32	Bhavik Mistry	TE
33	Ujjwal Upadhyay	TE
34	Dinesh Ahire	TE
35	Chetan Jawale	TE
36	Rishabh Sharma	SE
37	Ankur Saha	SE
38	Tejas Chonkar	SE
39	Aryan Kore	SE
40	Komal Swain	SE

*Yahy*

41		Sanika Patil	SE
42		Yash Doke	SE
43		Bhavesht Gosavi	SE
44		Divya Singh	SE
45		Anushka Supe	SE
46		Jitesh Agnihotri	SE
47		Pawan Patil	SE
48		Sahil Jadhav	SE
49		Anagha Francis	SE
50		Akash Mourya	SE
51		Raul Arya	SE
52		Anushka Jagtap	SE
53		Aditi Shirke	SE
54		Rahul Shah	SE
55		Bhakti Raigawali	SE

*Zohy*




# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2021-22
Title of the activity	TREE PLANTATION
Date of the activity	28-07-2021
Description of the activity	Tree plantation drive on the occasion of World Nature Conservation Day between 28 <sup>th</sup> July to 15 <sup>th</sup> August 2021
Venue of the event	VCET
Organizing committee	NSS VCET
Number of participants	53

  
 Dr. Pradip Gulbhile  
 Programme Officer, NSS  
 VCET, Vasai



**Vidyavardhini's College of Engineering & Technology**  
K.T. Marg, Vasai Road (W), Palghar – 401202



**N.S.S. Committee (2021-22)**

**Date:- 28 July 2021**

**To,  
The Principal  
VCET.**


**Subject: Report on Tree Plantation Drive, 28 July 2021**

The NSS Committee of Vidyavardhini's College of Engineering and Technology, Vasai organised a Tree Plantation Drive on the occasion of World Nature Conservation Day between 28th July, 2021 and 15th August, 2021. Due to the pandemic situation, this campaign was implemented by the participants in the comfort of their home.

Since mass gatherings were not possible and were not allowed, the participants were asked to plant saplings in their respective locality and share their pictures while planting. The main objective of this campaign was to raise awareness and consciousness about the environment among the people. This is an important step of afforestation to maintain ecological balance of nature. Planting trees is especially important to protect our environment against air pollution and global warming.

This event was a huge success, empowering students with substantial knowledge of the environment and plants.

Thank You,

  
Dr. Pradip Gulbhile  
Programme Officer  
NSS



Tree Plantation, 2021-2022



Tree Plantation, 2021-2022

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Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar – 401202



### N.S.S. Committee (2021-22)

Tree Plantation 2021-22		
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siraj6246@gmail.com	Syed Sirajuddin Mohieddin Qadri	Mechanical
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kolwankarsanika@gmail.com	Siddhi Kolwankar	IT
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vaishnavi.201924201@vcet.edu.in	Vaishnavi Deokar	IT
riddhi.201884201@vcet.edu.in	Riddhi Chavda	IT
sunda11751@gmail.com	Sundar Chaudhary	Mechanical

*Handwritten signature*  
P.O. N.S.S.

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sahil.201012101@vcet.edu.in	Sahil Swapnil Patil	MECHANICAL

53

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RAGINI NAIR  
N.SS LEADER

Tawade

URMIKSHA TAWADE  
UDAAN PRESIDENT





# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2020-21
Title of the activity	Tree Plantation in Society
Date of the activity	01/03/21
Description of the activity	Tree plantation programme was successfully done in the nearby gardens and locality. Due to COVID only few people were able to participate.
Venue of the event	VCET
Organizing committee	NSS VCET
Number of participants	35

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai



Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar – 401202



## N.S.S. Committee (2020-21)

Date –1st March 2021

To,  
The Principal  
VCET

Subject: Report on Tree Plantation in Society

Dear Sir,

This year due to the widespread pandemic, large gatherings were not possible and also not allowed. So the NSS Committee of Vidyavardhini's college of engineering and technology had participated in tree plantation with great zeal and enthusiasm. This event was scheduled on 1<sup>st</sup> March 2021. Since mass gathering was not possible and not allowed, 35 NSS volunteers planted saplings in their respective locality and gardens to raise awareness and consciousness about the environment among the people. This is an important step of afforestation to maintain ecological balance of nature. Planting trees is especially important to protect our environment against air pollution and global warming. The volunteers first took initiative to give water and dig to plant the trees. The volunteers planted desi trees. These trees include Neem, Pimple, Tulsi and Indica. This event was a huge success, empowering students with substantial knowledge of the environment and plants.

Thank You.

Dr. Pradip Gulbhile  
Program Officer,  
NSS.



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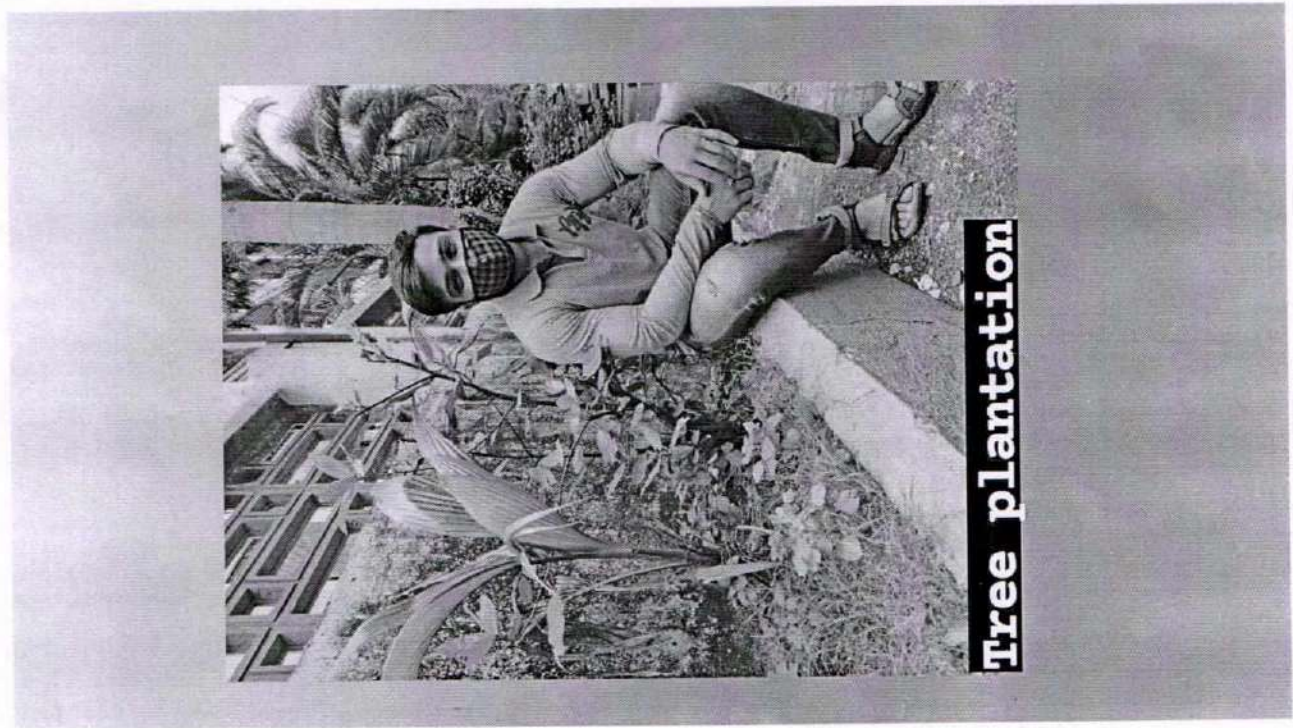
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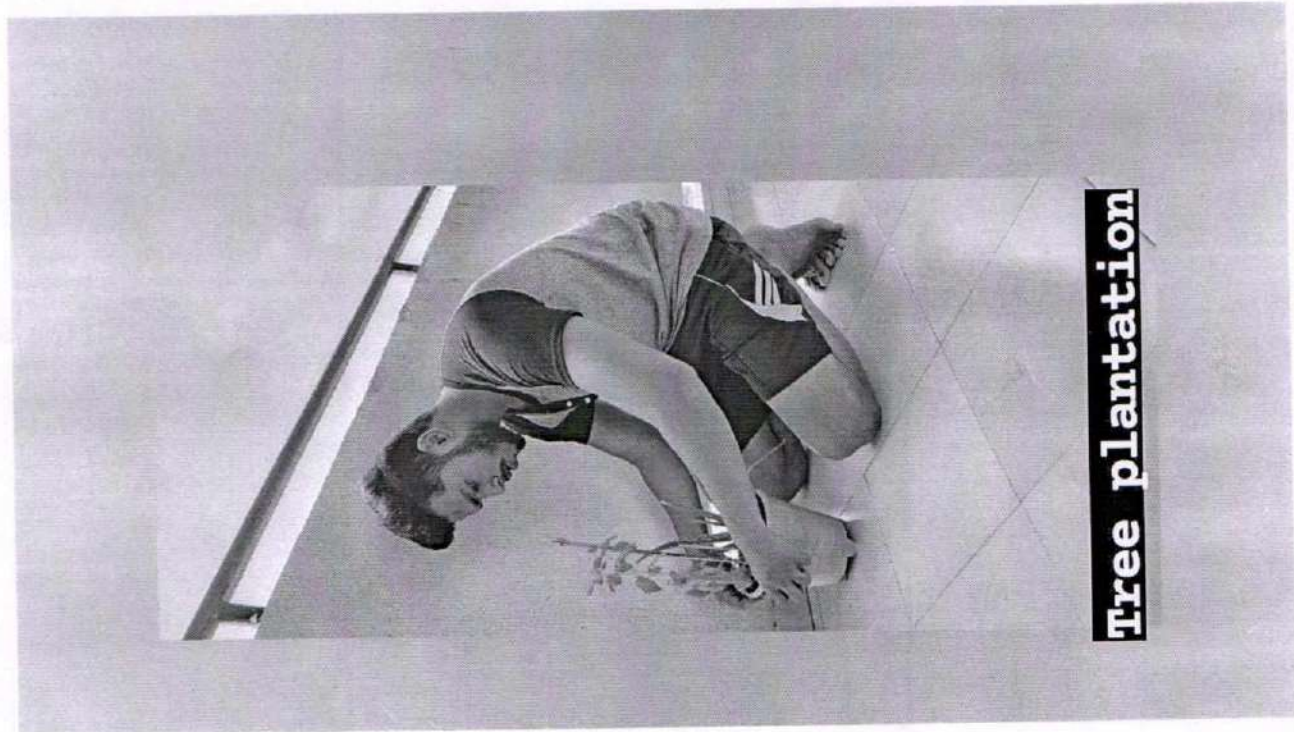
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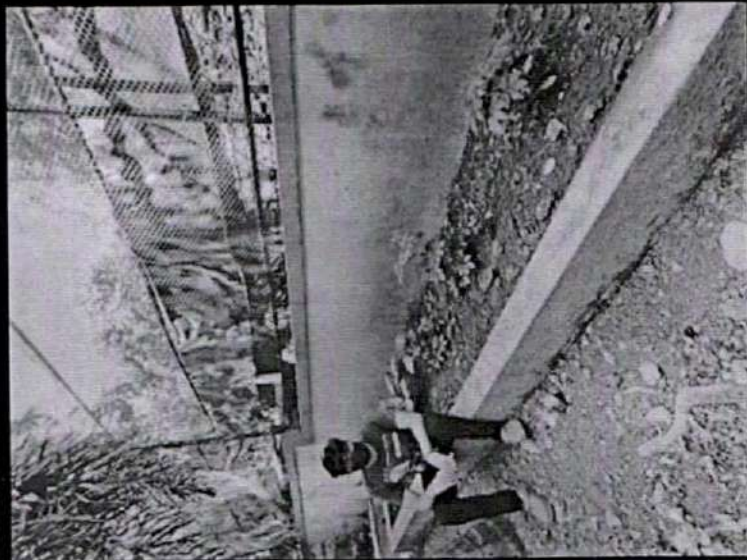


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Tree plantation

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2021

**Vidyavardhini's College of Engineering and Technology**  
**NSS**  
**Tree Plantation**

Sr. No.	Name
1	Samir
2	Aditi Bhat
3	Sarvesh Shinde
4	Abhinav Mahajan
5	Vinay
6	Siddhi Kolwankar
7	Manthan Sarfare
8	Hrushikesh Shetty
9	Perna Gawali
10	Haripriya Ramisetty
11	Prathamesh More
12	Urmiksha Tawade
13	Jayesh Sambhaji Nakashe
14	Soham Madhvani
15	Sree Lakshmi Balachandran
16	Naina Ghanshyam Roy
17	Shrushti Sakpal
18	Sarang Waghmare
19	Vaibhav Rai
20	Kaustubh Vasant Gharat
21	Omkar Jadhav
22	Adarsh Ashokan Ottupurath
23	Roma Dhake
24	Anish Patil
25	Prajakta Borse
26	Vedant Chaskar
27	Deeksha Divakar Shetty
28	Piyusha Rane
29	Ameya Late
30	Sairaj
31	Janvi Chavan
32	Rushank Ghanshyam Sheta
33	Vishnu
34	Omkar Chaudhari
35	Aditi Bhat

*Aditya*  
PO. NSS



# Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202

## Activity Report

Academic Year	2019-20
Title of the activity	TREE PLANTATION PROGRAMME
Date of the activity	26/08/2019
Description of the activity	Planted 270+ samplings in association with "JEEVDANI TRUST" at virar.
Venue of the event	JEEVDANI TRUST, VIRAR
Organizing committee	NSS-VCET
Number of participants	50

Dr. Pradip Gulbhile  
Programme Officer, NSS  
VCET, Vasai



## Vidyavardhini's College of Engineering & Technology

K.T. Marg, Vasai Road (W), Palghar – 401202

### N.S.S. Committee (2019-20)



Date - 26th August, 2019

To,  
The Principal  
VCET

Subject: Report on Tree Plantation on 26th August 2019

Respected Sir,

Recently we've acknowledged the incidence happened in amazon rain forest which is devastating! Also keeping in mind the ratio of tree and human being, the NSS Wings Committee of Vidyavardhini's College of Engineering and Technology came with an event on 26th August 2019 called "Tree Plantation". The event was carried out under the guidance of Prof. Sainath Patil, Prof. Sandhya Supalkar and myself and Mr. Rajesh Naik from Jivdani Trust Virar. Entire team of NSS wing came forward to lead students to plant trees at "The Jeevdani Trust, Virar". Altogether, students planted 270+ saplings. The event was well organized and surely a small act of kindness being a responsible citizen was carried out by NSS team as they stand by the term #GoGreen & #SupportGreen

Thank you.

Dr. Pradip Gulbhile,  
Programme Officer,  
NSS.





# Vidyavardhini's College of Engineering & Technology

K.T. Marg, Vasai Road (W), Palghar – 401202

## N.S.S. Committee (2019-20)



Date - 26 ऑगस्ट, 2019

प्रति,

मुख्याध्यापक

VCET

विषय: 26 ऑगस्ट 2019 रोजी करण्यात आलेल्या वृक्षारोपणाचे अहवाल.

आदरणीय प्राचार्य,

अलीकडेच अमेझॉन रेनफॉरेस्टच्या घटनेची कबुली देण्यात आली आणि ती अतिशय विध्वंसक होती. विद्यावर्धिनीच्या अभियांत्रिकी व तंत्रज्ञान महाविद्यालयाच्या 'एनएसएम विंग्स'ने 26 ऑगस्ट 2019 रोजी "वृक्षारोपण" हा कार्यक्रम आयोजित केला होता. प्रत्येक मनुष्यास 1 झाड ही कल्पना गृहीत धरून वृक्षारोपण करण्यात आले. महाविद्यालयाचे मुख्याध्यापक आणि प्रा. साईनाथ पाटील, प्रा. संध्या सुपलकर व एनएसएस विंगचे प्रमुख या नात्याने मी स्वतः, आम्हा सर्वांच्या मार्गदर्शनाखाली या कार्यक्रमाचे आयोजन केले होते. "जीवदानी ट्रस्ट, विरार" येथे श्री राजेश नाईक हे विद्यार्थ्यांचे नेतृत्व करण्यासाठी पुढे आले. विद्यार्थ्यांनी 270 + रोपे लावली.

हा कार्यक्रम यशस्वीरित्या पार पडला या कार्यक्रमाद्वारे निसर्गाबद्दलची कृतज्ञता दिसून आली. एक जबाबदार नागरिक असल्याची जाणीव 'एनएसएस विंग्स'च्या माध्यमातून केली गेली. कारण ते #GoGreen आणि #Support Green या संज्ञेवर टिकून आहेत.

धन्यवाद.

डॉ. प्रदिप गुळभिले

कार्यक्रम अधिकारी,

एनएसएस



सत्यमेव जयते

महाराष्ट्र शासन  
वन विभाग

‘महाराष्ट्र हरितसेना’ सदस्यत्व प्रमाणपत्र  
प्रमाणित करण्यात येते की,

श्री. / श्रीमती : Vidyavardhini College Of Engineering And Technology

रा. : Virar West

तालुका : Vasai-Virar जिल्हा : Palghar


यांना ‘महाराष्ट्र हरितसेना’ चे सदस्यत्व प्रदान करण्यात येत आहे.


लोकहिताच्या कार्यात सहभागी झाल्याबद्दल  
हार्दिक शुभेच्छांसह !

नोंदणी क्रमांक : PL/2019/Org/166698

दिनांक महिना वर्ष

30 08 2019

  
प्रधान मुख्य वनसंरक्षक  
सामाजिक वनीकरण,  
महाराष्ट्र राज्य,  
पुणे

  
Po. N.S.S.



महाराष्ट्र शासन  
वन विभाग

**‘महाराष्ट्र हरितसेना’ सदस्यत्व प्रमाणपत्र**  
प्रमाणित करण्यात येते की,

श्री. / श्रीमती : Vidyavardhini College Of Engineering And Technology

रा. : Virar West

तालुका : Vasal-Virar

जिल्हा : Palghar

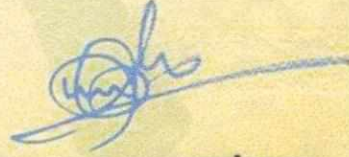
यांना ‘महाराष्ट्र हरितसेना’ चे सदस्यत्व प्रदान करण्यात येत आहे.

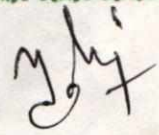
लोकहिताच्या कार्यात सहभागी झाल्याबद्दल  
हार्दिक शुभेच्छांसह !

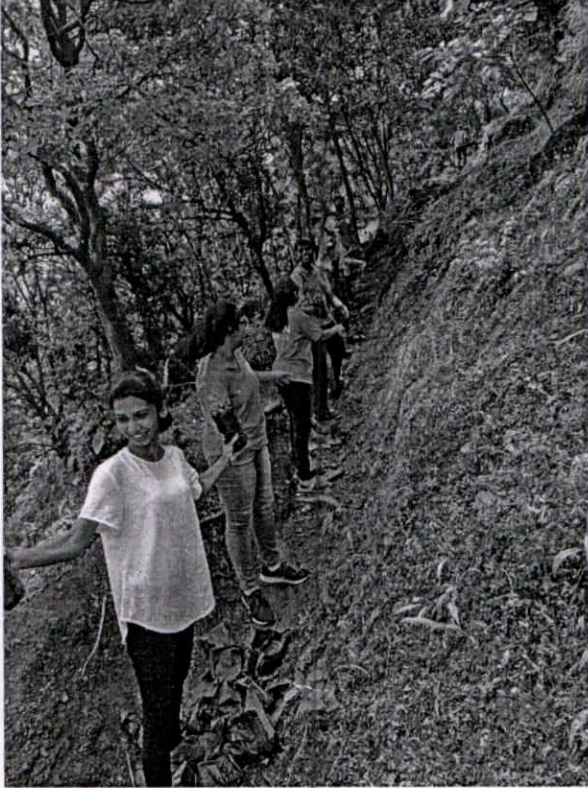
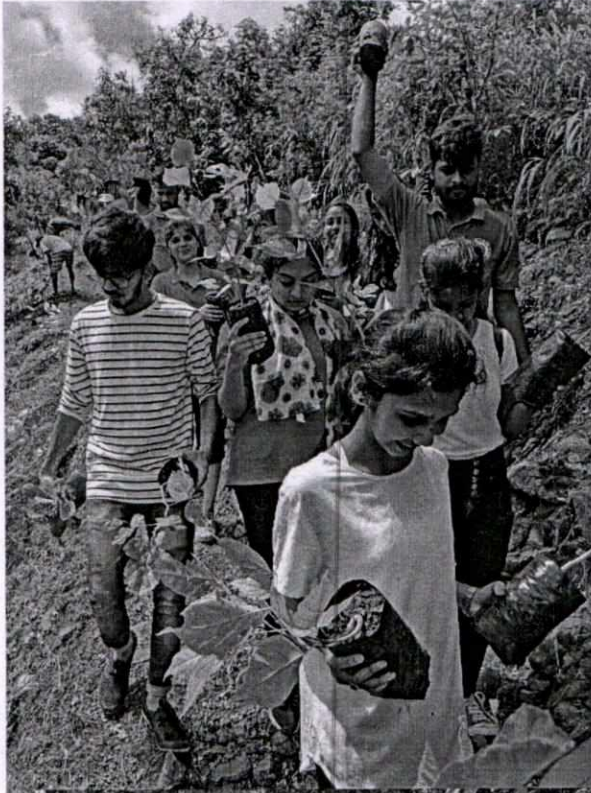
नोंदणी क्रमांक : PL/2019/Org/166698

दिनांक महिना वर्ष

30 08 2019

  
प्रधान मुख्य वनसंरक्षक  
सामाजिक वनीकरण,  
महाराष्ट्र राज्य,  
पुणे





*John*

TREE PLANTATION



TREE PLANTATION

John  
P.O. W.S.S.



Vidyavardhini's College of Engineering & Technology  
K.T. Marg, Vasai Road (W), Palghar - 401202



### N.S.S. Committee (2019-20)

Sr. No	Name	Year
1	Sarvesh Shinde	BE
2	Vrushti Sanghavi	BE
3	Vipul Bhoir	BE
4	Vaibhav Rai	BE
5	Shravan Tawde	BE
6	Aryan Parab	BE
7	Sanjana Tiwari	BE
8	Aniket Jha	BE
9	Prachi Shah	BE
10	Tanzil Irfan Shaikh Siddhiqui	BE
11	Roma Dhake	BE
12	Dhrumil Bhatt	BE
13	Rishabh Sharma	BE
14	Sayali Gupta	BE
15	Amey Chaudhari	BE
16	Siddharth Chakravarty	BE
17	Vaishnavi Gaikwad	BE
18	Riya Raut	BE
19	Siddhi Kolwankar	BE
20	Adarsh Ottupurath	BE
21	Rohit Mali	BE
22	Aniruddha Jadhav	TE
23	Vaibhav Rai	TE
24	Devbhatt singh	TE
25	Nohal Warang	TE
26	Disha Pote	TE
27	Heramb Botawadkar	TE
28	Sarvesh Shinde	TE
29	Praseeda Prabhu	TE
30	Aditi Rathod	SE
31	Rithesh Shetty	SE
32	Isha Pathak	SE
33	Sakshi Padalkar	SE
34	Shruti Pawar	SE
35	Pranay Ippakayal	SE
36	Viraj Gavali	SE
37	Rahul Shah	SE
38	Vedika Misal	SE
39	Haripriya Ramisetty	SE
40	Dhruv Purav	SE

*gdmj*  
P.O. NSS

41		Rohit Redekar	SE
42		Monalika Pingle	SE
43		Suresh Borana	SE
44		Divya Singh	SE
45		Vaishnavi Deokar	SE
46		Dhrumil Bhatt	SE
47		Durvesh Kajrekar	SE
48		Ragini Nair	SE
49		Siddhesh Thakarkar	SE
50		Vinay Patil	SE

Johny  
P.O.N.S.P