



**HEI Response to DVV Findings**

**Criteria Number:** 7

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

**Sub criteria Number:** 7.1.2

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

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**This document contains the supporting documents for DVV clarification.**

Following table summarizes the data required in clarification:

Sr. No.	Details	Page Nos. for Supporting documents
1	Link to the policy documents of the institution	2-5
2	Geo tagged photographs and videos of the facilities with caption.	6-18
3	Bills for the purchase of equipment for the facilities created under this metric.	106-140
4	Photographs of Ramps / rails/lift/wheelChair/signage board /Toilet/ software etc.	19-30



  
Dr. Harish Vankudre  
Principal



# Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

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Criteria Number: 7

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**This document contains the policy document on the green  
campus/plastic free campus.**



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

(Approved by AICTE and Affiliated to the University of Mumbai)

Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.

Tel.: 0250-2338234 (6 Line) • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

## Green Campus Policy

### List of Contents

- Introduction
- Vision and Mission
- Objectives
- Scope
- Responsibility and Accountability
- Green Campus Initiatives
- Monitoring and Reporting
- Compliance and Enforcement
- Conclusion

- **Introduction**

Vidyavardhini College of Engineering and Technology (VCET), Vasai recognizes its responsibility to create and maintain an environmentally sustainable and responsible campus. This Green Campus Policy Document outlines our commitment to adopting and implementing environmentally friendly practices and principles throughout the institution.

- **Vision and Mission**

#### **Vision**

VCET aims to become a leader in sustainable and environmentally responsible education, fostering an eco-conscious community and contributing to a greener future.

#### **Mission**

VCET is committed to creating a green campus by adopting sustainable practices, reducing our environmental footprint, and inspiring students, staff, and the community to embrace eco-friendly values.

- **Objectives**

- ✓ Reduce energy and resource consumption.
- ✓ Minimize waste generation and promote recycling.
- ✓ Encourage the use of renewable energy sources.
- ✓ Foster a culture of sustainability.
- ✓ Promote environmental education and research.



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- **Scope**

This policy applies to all aspects of VCET operations, including academic, administrative, and support activities.

- **Responsibility and Accountability**

**a. Green Campus Committee**

VCET will establish a Green Campus Committee responsible for the planning, implementation, and monitoring of green initiatives. The committee will consist of faculty, staff, and student representatives.

**b. All Stakeholders**

Every member of the VCET community, including students, faculty, staff, and visitors, is responsible for adhering to the green campus principles and taking actions to support sustainability.

- **Green Campus Initiatives**

VCET will implement the following initiatives to create a sustainable and eco-friendly campus:

**a. Energy Efficiency**

- ✓ Regular energy audits to identify and address inefficiencies.
- ✓ Installation of energy-efficient lighting and HVAC systems.
- ✓ Encouragement of responsible energy consumption.

**b. Water Conservation**

- ✓ Efficient water management practices.
- ✓ Promotion of rainwater harvesting and use of recycled water.

**c. Waste Management**

- ✓ Implement a waste segregation and recycling program.
- ✓ Reduce single-use plastics on campus.
- ✓ Promote composting and responsible waste disposal.

**d. Sustainable Transportation**

- ✓ Encourage the use of public transportation, cycling, and carpooling.
- ✓ Install bicycle racks and electric vehicle charging stations.



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Tel.: 0250-2338234 (6 Line) • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

## e. Green Spaces

- ✓ Maintain and expand green areas on campus.
- ✓ Promote biodiversity and native plant species.
- ✓ Limit the use of chemical pesticides and fertilizers.

## f. Renewable Energy

- ✓ Explore opportunities for on-site renewable energy generation.
- ✓ Support and promote the use of solar power and other renewable sources.

## g. Environmental Education

- ✓ Integrate environmental education into the curriculum.
- ✓ Organize seminars, workshops, and events related to sustainability.

### • Monitoring and Reporting

VCET will regularly monitor and assess the progress of its green campus initiatives. Reports will be prepared and made available to the campus community and stakeholders annually.

### • Compliance and Enforcement

Non-compliance with this Green Campus Policy may result in appropriate disciplinary actions, as per the existing institutional guidelines. All stakeholders are expected to comply with and support the implementation of green initiatives.


### • Conclusion

VCET is committed to creating a sustainable, eco-friendly, and environmentally responsible campus. This Green Campus Policy Document outlines our commitment to embracing and implementing green initiatives and encouraging the VCET community to take part in building a greener future.

This document is a living framework, subject to regular review and adaptation as our green initiatives evolve to meet the needs of the environment and our community.

Date of Approval:

Approved by:

  
**PRINCIPAL**  
**VIDYAVARDHINI'S COLLEGE**  
**OF**  
**ENGINEERING & TECHNOLOGY**  
**VASAI ROAD 401 202.**





# Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

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Criteria Number: 7

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

Sub criteria Number: 7.1.2

Sub-criteria Name: **Institutional Values and Social  
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7.1.2 The Institution has facilities and initiatives for

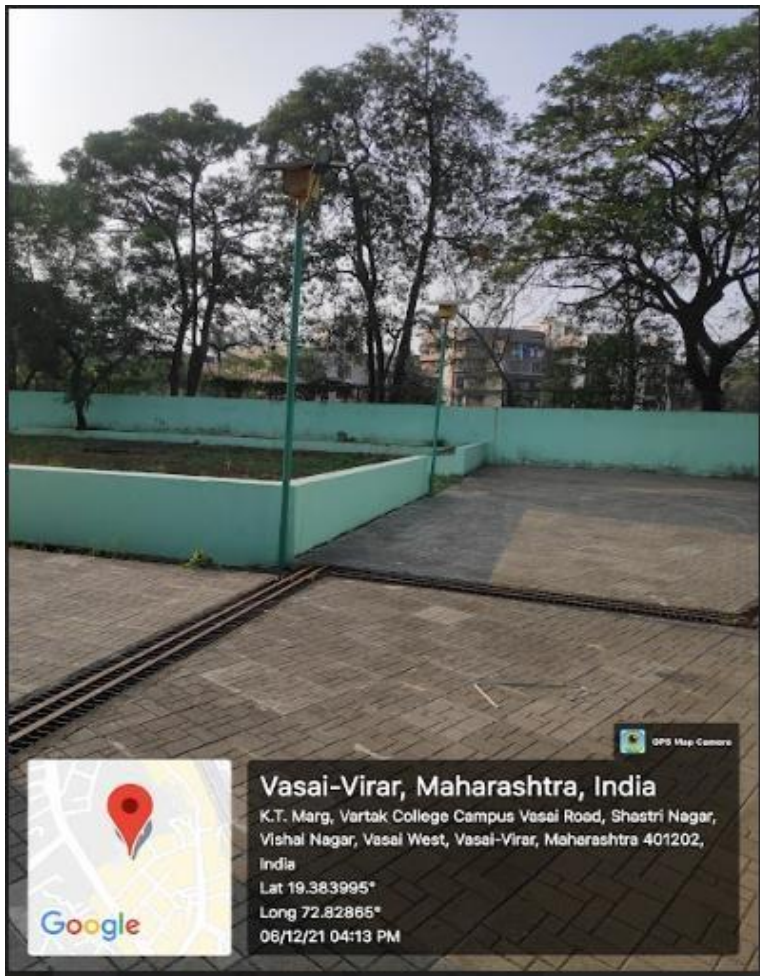
1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment.

**This document contains Geo-Tagged Photographs/videos of the facilities.**

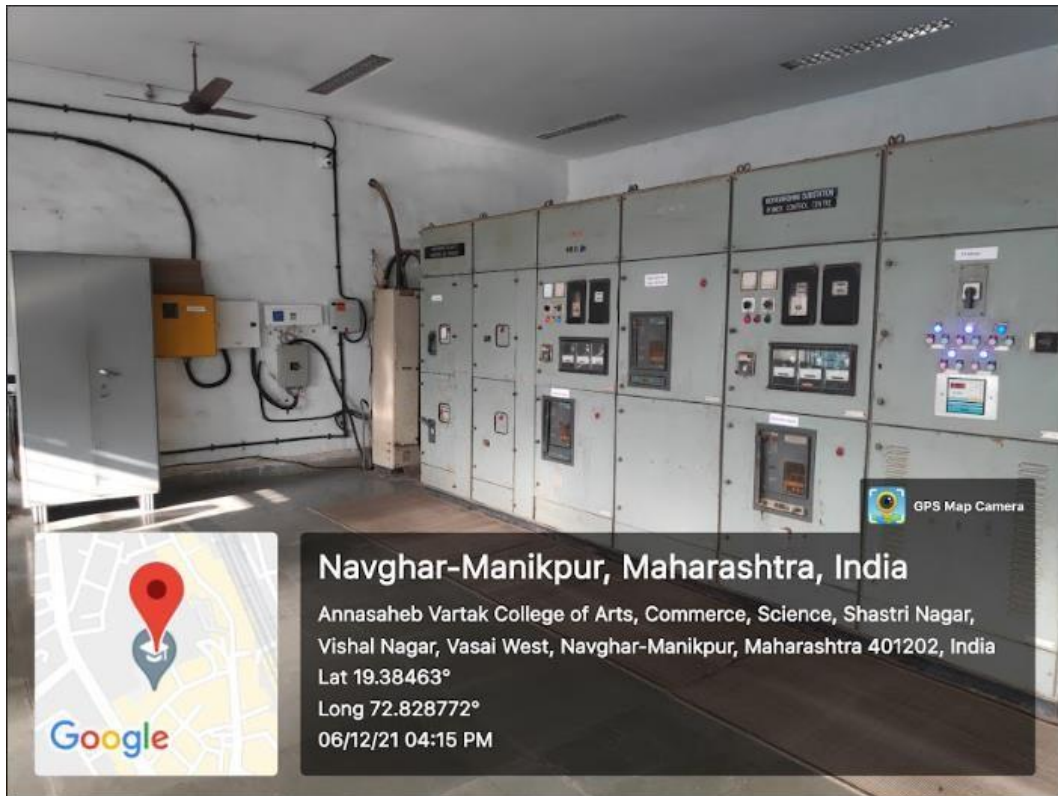
## Solar Panels



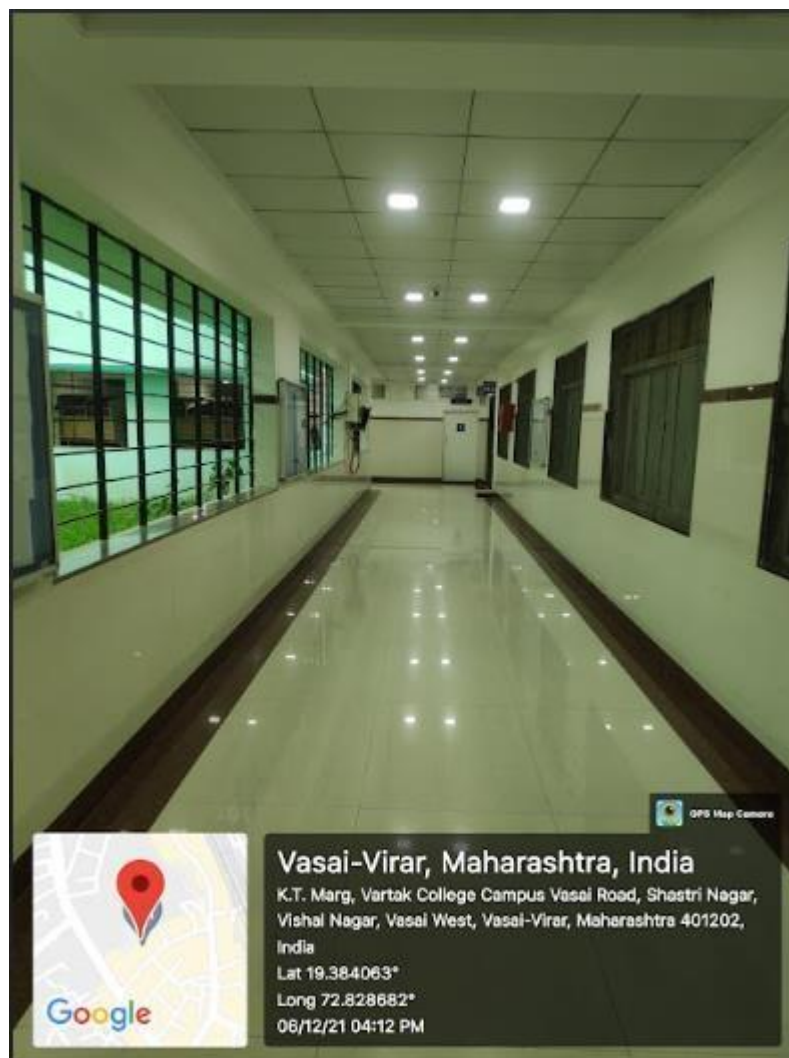
## Solar Street Light



## Wheeling to grid



## LED Lights





## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Geo-Tagged Photographs/videos of facilities for  
Management of the various types of  
degradable and non-degradable waste**

### Waste Management



### Degradable Waste Decomposition system



## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Geo-Tagged Photographs/videos of facilities for**

**Water conservation**

### Rainwater Harvesting



### Rainwater Harvesting



### *Rainwater Harvesting*

## Rainwater Harvesting



*Rainwater Harvesting*

## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Geo-Tagged Photographs/videos of facilities for**

**Green campus initiatives**

### Green Campus



### Landscaping with trees and plants



### Pedestrian Pathways with trees

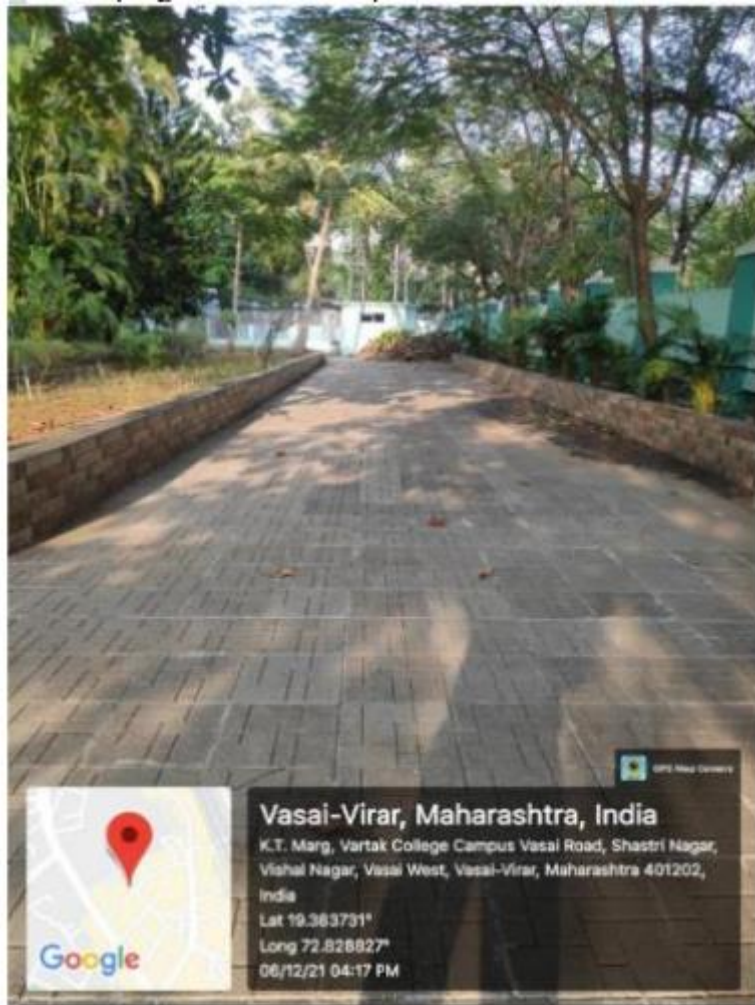


### Pedestrian Pathways with trees





## Pedestrian Pathways with trees



## Ban on use of Plastics.



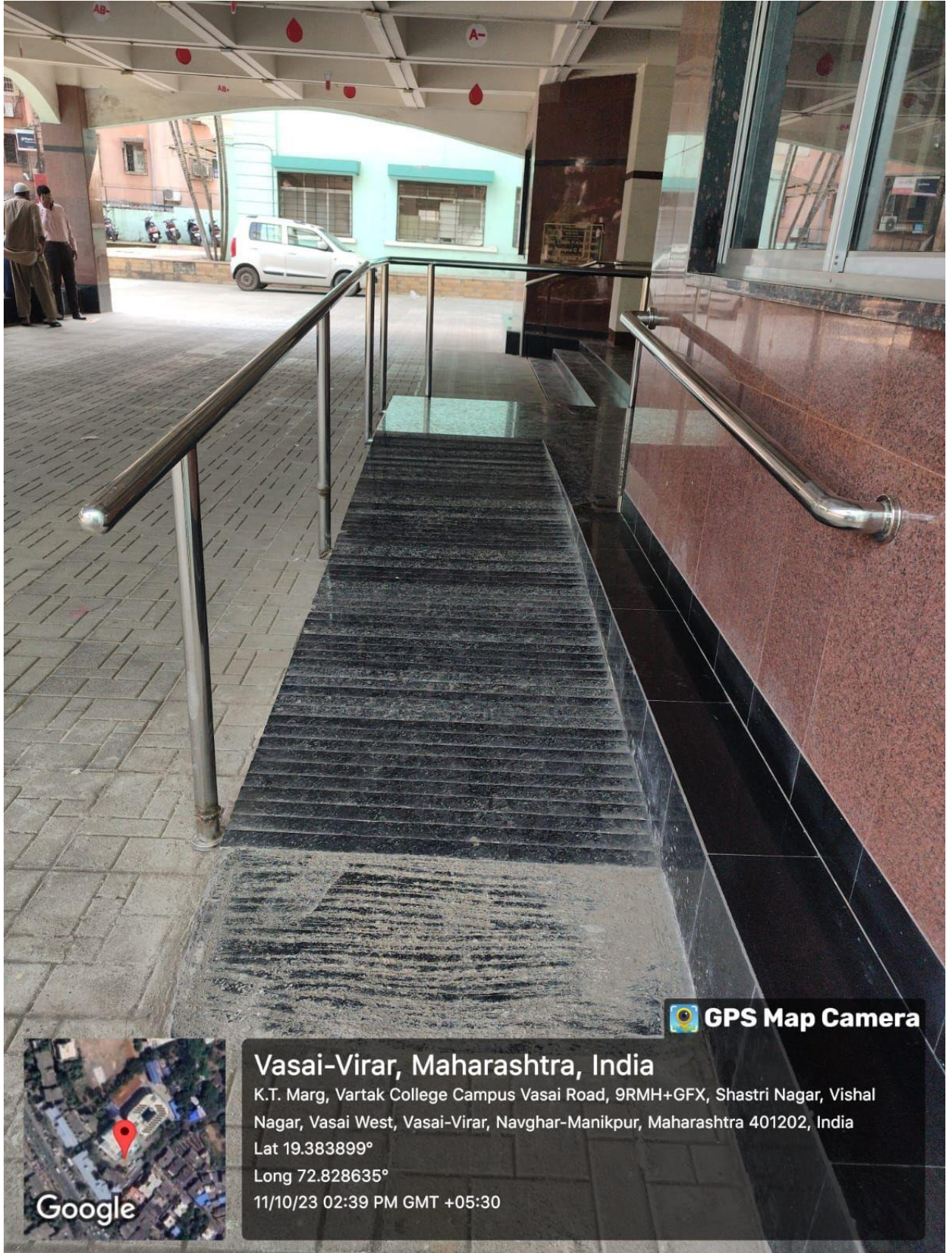
## **Institutional Values and Social Responsibilities**


### **7.1.2**

**Geo-Tagged Photographs/videos of facilities for**

**Disabled-friendly, barrier free environment.**

### Ramp near Entry



 **GPS Map Camera**



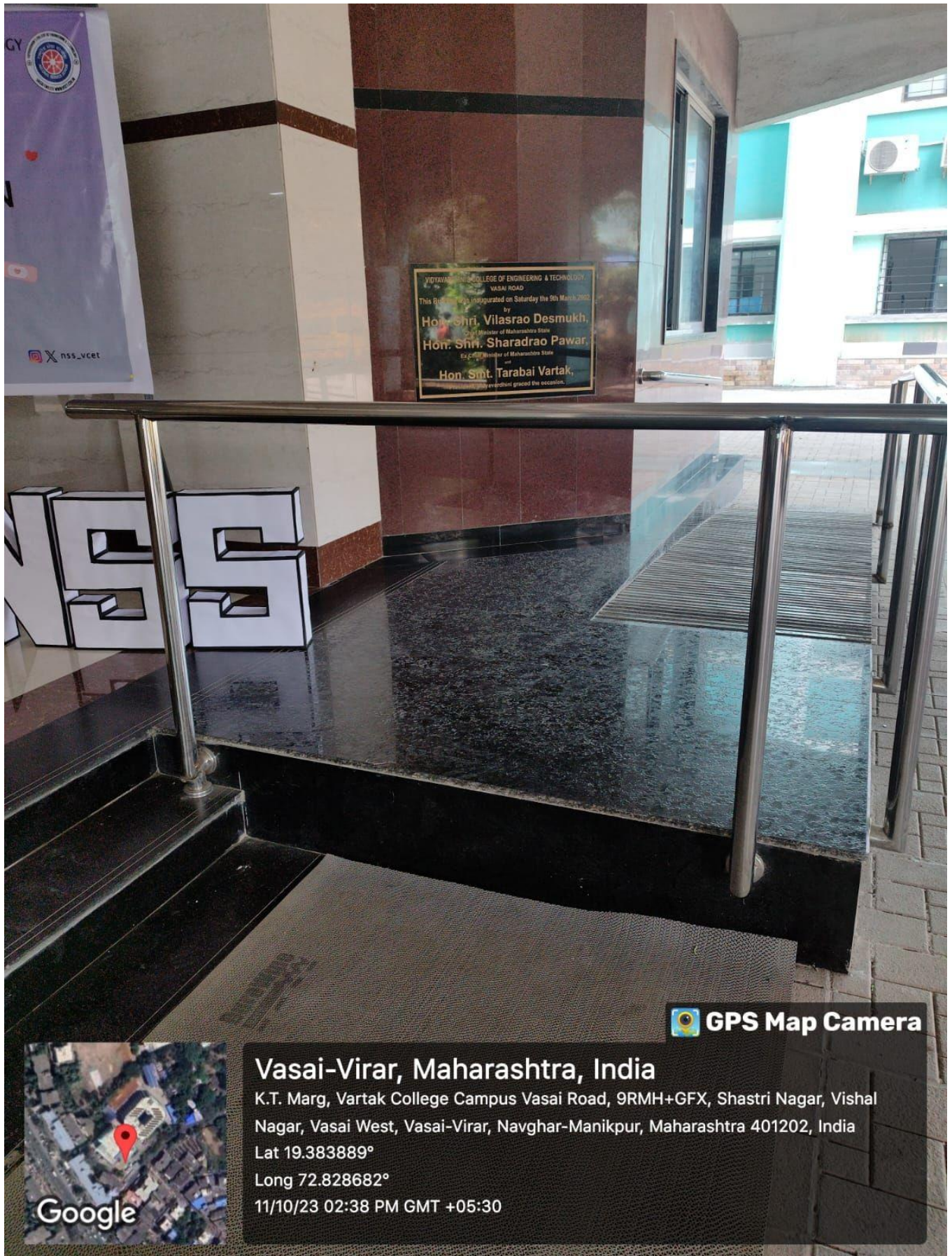
**Vasai-Virar, Maharashtra, India**

K.T. Marg, Vartak College Campus Vasai Road, 9RMH+GFX, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India  
Lat 19.383899°

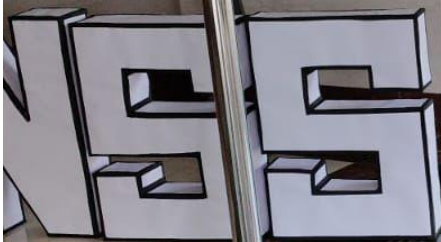
Long 72.828635°

11/10/23 02:39 PM GMT +05:30

## Ramp and Railing near Entry



VIJAYANAND COLLEGE OF ENGINEERING & TECHNOLOGY,  
VASAI ROAD  
This Ramp was inaugurated on Saturday the 9th March, 2023,  
by  
Hon. Shri. Vilasrao Desmukh,  
Minister of Maharashtra State  
Hon. Shri. Sharadrao Pawar,  
Ex-Chief Minister of Maharashtra State  
and  
Hon. Smt. Tarabai Vartak,  
Representing the eminent guests the occasion.



 **GPS Map Camera**



### Vasai-Virar, Maharashtra, India

K.T. Marg, Vartak College Campus Vasai Road, 9RMH+GFX, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India  
Lat 19.383889°  
Long 72.828682°  
11/10/23 02:38 PM GMT +05:30

Google

## Railing near Entry



 **GPS Map Camera**



**Vasai-Virar, Maharashtra, India**

K.T. Marg, Vartak College Campus Vasai Road, 9RMH+GFX, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India

Lat 19.383894°

Long 72.828717°

11/10/23 02:40 PM GMT +05:30

## Lift



नवघर-माणिकपुर, महाराष्ट्र, India

VIDYAVARDHINI COLLEGE OF ENGINEERING, VIDYAVARDHINI COLLEGE, शास्त्री नगर, विशाल

नगर, वसई वेस्ट, वसई, नवघर-माणिकपुर, महाराष्ट्र 401202, India

Lat 19.384094°

Long 72.828701°

11/10/23 02:47 PM GMT +05:30

# Lift





## Railing on staircase



## Railing on staircase



## Railing on staircase



 **GPS Map Camera**

**नवघर-माणिकपुर, महाराष्ट्र, India**

VIDYAVARDHINI COLLEGE OF ENGINEERING, VIDYAVARDHINI COLLEGE, शास्त्री नगर, विशाल

नगर, वसई वेस्ट, वसई, नवघर-माणिकपुर, महाराष्ट्र 401202, India

Lat 19.38413°


Long 72.828725°

11/10/23 02:50 PM GMT +05:30



**Signed washroom for disabled persons**




 **GPS Map Camera**



**Vasai-Virar, Maharashtra, India**  
K.T. Marg, Vartak College Campus Vasai Road, 9RMH+GFX, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India  
Lat 19.384121°  
Long 72.828787°  
16/01/24 04:45 PM GMT +05:30

## Railing in washroom for disabled persons



 **GPS Map Camera**

**Vasai-Virar, Maharashtra, India**

K.T. Marg, Vartak College Campus Vasai Road, 9RMH+GFX, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India  
Lat 19.383946°


Long 72.8286°

11/10/23 03:39 PM GMT +05:30



## Wheelchair in First Aid Room (Room No: 003)



 GPS Map Camera



### Vasai-Virar, Maharashtra, India

Team Ethan Pitstop, K.T. Marg, Vasai Road (W, 9RMH+G9F, Shastri Nagar, Vishal Nagar, Vasai West, Vasai-Virar, Navghar-Manikpur, Maharashtra 401202, India

Lat 19.38379°

Long 72.8285°

23/01/24 03:33 PM GMT +05:30



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5. Disabled-friendly, barrier free environment.

**This document contains Circulars and Report of activities for the  
Implementation of the initiatives document.**



## Vidyavardhini's College of Engineering & Technology

### Academic Year 2022-23

### Report on Energy Conservation Day 2022

<b>Program</b>	Energy Conservation Day 2022																										
<b>Date</b>	14/12/2022																										
<b>Venue</b>	<ol style="list-style-type: none"> <li>1. Vidyavardhini's College of Engineering</li> <li>2. Municipal outskirts of Vasai West region for Bicycle Rally</li> <li>3. Podar School, Vasai West</li> <li>4. New English School, Nirmal, Vasai</li> <li>5. St. Annes High School, Vasai West</li> <li>6. Shree Taramai Vartak Memorial Academy, Virar</li> </ol>																										
<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 "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>The contents covered in this program are:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr No</th> <th style="width: 60%;">Name of Activity</th> <th style="width: 15%;">Date</th> <th style="width: 20%;">Duration</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Inauguration of Energy Conservation Week 2021 by Mrs. Rashmi Joshi,</td> <td>14/12/2022</td> <td>3 pm to 5 pm</td> </tr> <tr> <td>02</td> <td>Expert Talk on the Roadmap for Electric Vehicles – Earth EV</td> <td>15/12/2022</td> <td>3pm to 5 pm</td> </tr> <tr> <td>03</td> <td><b>Bicycle rally to create awareness about Energy conservation and energy Efficiency</b></td> <td>16/12/2022</td> <td>10 am to 12 pm</td> </tr> <tr> <td>04</td> <td>Renewable Energy Startup talk by Mr. Ratnesh Shingrupe, Quasar Innovative Solutions.</td> <td>19/12/2022</td> <td>10 am to 12 pm</td> </tr> <tr> <td>05</td> <td>Outreach Activity by the Faculty of Mechanical Engineering Department at various schools in the VVCMC Region</td> <td>20/12/2022</td> <td>9 am to 5 pm</td> </tr> </tbody> </table>			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
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<b>Organized By</b>	Coordinators: Mr Swapnil R Mane, Assistant Professor, Mechanical Engineering Chief Guest: Mrs. Rashmi Joshi, Environment Consultant, Mumbai																										

*S.R. Mane*

  
 HEAD

Dept. of Mechanical Engg.  
 Vidyavardhini's College of  
 Engineering & Technology  
 Vasai Road-4, Vasai.





**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 seascapes. Energy and Environment

*Rashmi Joshi*

  
Dept. of Mechanical Engg.  
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Engineering & Technology  
Vasai Road-431202.



## 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:**

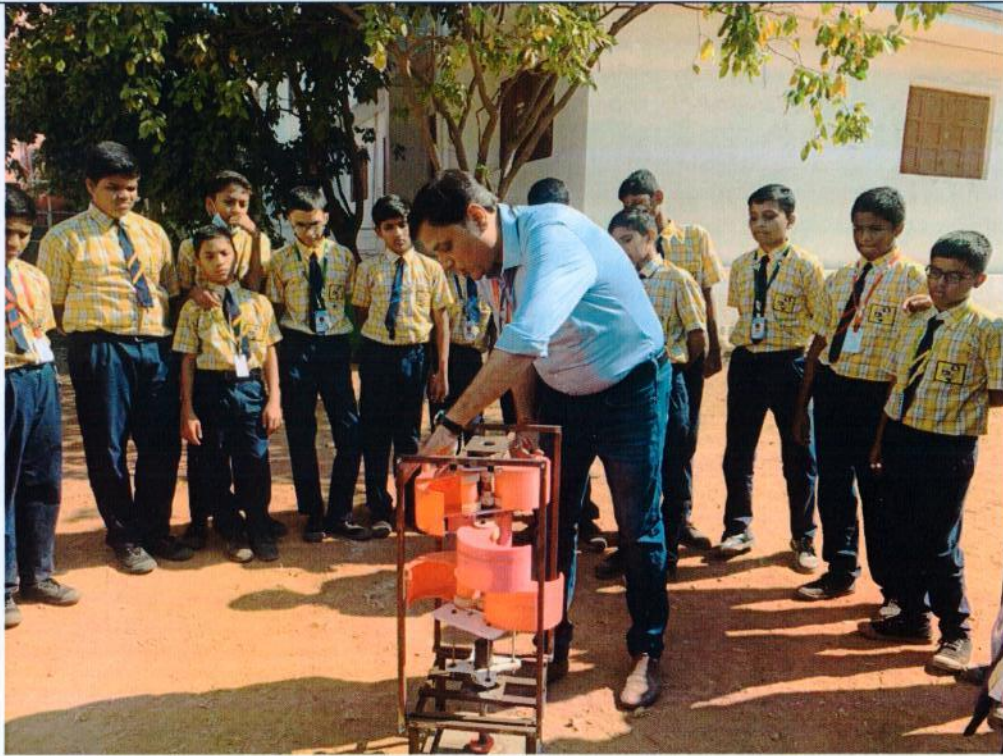
The faculties of the Department of Mechanical Engineering visited the schools in the Vasai-Virar Municipal Corporation region to sensitize the students and inculcate mitigation from conventional methods of energy usage. The snaps of the visit are as follows:

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

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



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



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

*AS*

**HEAD**  
Dept. of Mechanical Engg.  
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# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

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Tel.: 0250 - 2338234 (6 Lines) • Fax: 0250 - 2339486 • Email: vcet\_inbox@vcet.edu.in  
Website: www.vcet.edu.in

## **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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# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

**Founder President Late Padmashri H. G. Vartak**  
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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 V 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 Mahate	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	Sanmita Mayurkar	F.E	COMP	
12	Wajiba Kulkarni	FE	Comp	
13	Vedant U. Kale	FE	comp	
14	Jilla Saivamshi R.	FE	COMP	
15	Teril Rajesh Kotadia	F.E	Comp	
16	SAURABHSING DZPAKING 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	Comp	
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	EE 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. Lechaka	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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Sr.No.	Name of student	Yeare	Branch	Sign.
36]	Jay Panchaj	D.S.E	mech	<i>Jay Panchaj</i>
37]	DIWAN HANAKIA	DSE	CIVIL	<i>DIWAN</i>
38]	Aniket Folka	DSE	mech	<i>Aniket</i>
39]	Kohit Kache	DSB	CIVIL	<i>Kache</i>
40]	Krutesh Awarar	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	FC	AI (DS)	<i>Anush</i>
49]	AFVAN PATHAN	FE	AI (DS)	<i>Pathan</i>
50]	Dnyanesh Panchal	BE	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 S. 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]	Shriyati Virgun	DSE	MECH	<i>Shriyati</i>
67]	Niran Umam Vyas	TIS	AI	<i>Niran</i>

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 Dr. Ashish Chaudhary

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# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

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## 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

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Dr. Ashish Chaudhary

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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



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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-to-day 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>

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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)

What is IoT/IIoT/Industry 4.0

Industry 4.0 : Today's Era of Connected world through connected devices from mobile/tablet/computers/watches/AR/VR to machines and automobiles through telemetry using mobile technologies & internet

Gateways/Converters: A device which aggregates the data from devices like various sensors/PLCs/SCADA/DCS/HMIs/Relays etc electronically using wired or wireless technologies and sends it to the local server or cloud server on which some software is installed to process this data and provide UI , statistics and analytics and offer reports, intelligence, and alerts etc

Wireless technologies: GPRS / Bluetooth, Wi-Fi, Lora etc

Protocol: Modbus, Profibus, HART etc

Sensors: A physical device which senses the data as parameter and displays and or transmits this data

IoT- Internet of things

IIoT-Industrial Internet of Things

Cloud Server: Amazon, Alibaba, Private Clouds

Local Server : Local high grade computer (On Premise)

PlantConnect

10:32 AM | lid-oyyx-the

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Vidyavardhini's College of  
Engineering & Technology  
Vasai Road-4



# Vidyavardhini's College of Engineering & Technology

## Academic Year 2019-20

### Report on Energy Conservation Week 2020

<b>Program</b>	Energy Conservation Week 2020
<b>Date</b>	14/12/2020 to 21/12/2020
<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 "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>The following activities are planned.</p> <p><b>Day 1</b> 9:30am Inauguration 1:30pm Guest Lecture on Fuel cells by Dr. Amit Bhosale, IIT Roorkee</p> <p><b>Day 2</b> 1:30pm "Solar Energy for Sustainable Lifestyle" (Design your own solar system) by S. R. Mane</p> <p><b>Day 3</b> 2:00pm ECO-NIWAS by D. J. Choudhari</p> <p><b>Day 4</b> 9:30am Bicycle rally</p> <p><b>Day 5</b> 2:00pm "Bio-fuels- Need of an hour" by Dr. Ashish Chaudhary 3:00pm Valedictory and Certificate distribution <span style="float: right;">www</span></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. Amit Bhosale, Assistant Professor, Department of Hydrogen Energy, IIT Roorkee</p>
<b>Participation Details</b>	110 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>	110
<b>Google Meet</b>	
<b>Description of Event</b>	<p><b>Topics Covered</b></p> <p>1) <b>Dr. Amit Bhosale:</b> Fuel Cell and its Application. The use of Fuel cell as electrolyzers. Challenges in implementing the technology of Fuel Cell in daily life.</p>

*S. R. Mane*

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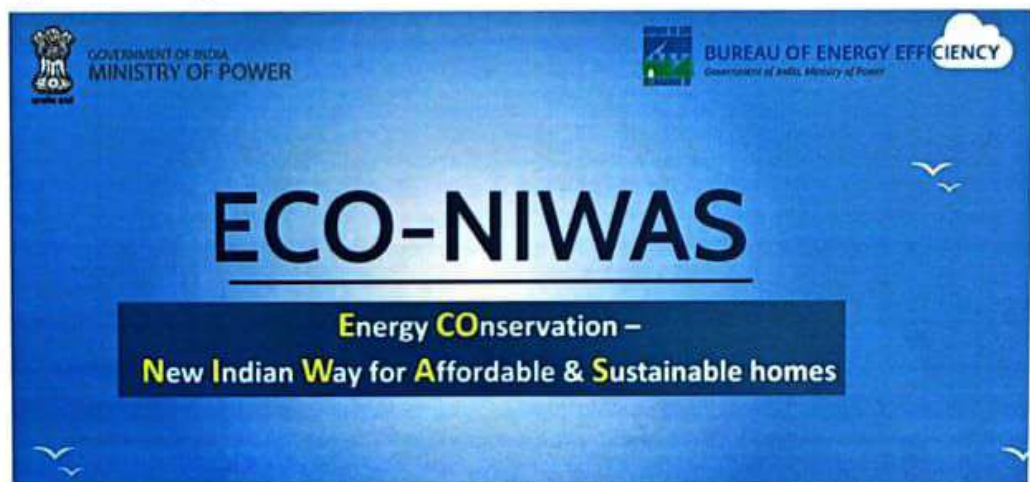
# Vidyavardhini's College of Engineering & Technology

## 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

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Engineering & Technology  
Year: 2019-20



# Vidya Vardhini's College of Engineering & Technology

## Academic Year 2019-20

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  
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Co-ordinator, ECW 2020

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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*  
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

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

## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Circulars and Report of activities for the  
Implementation of the initiatives document for**

**Management of the various types of  
degradable and non-degradable waste**

Our Institute manage the following types of degradable and non-degradable waste.

- Solid waste management
- Liquid waste management
- E-waste management

**Solid waste management:**

The Institute strongly promotes the principles of 3 R's i.e. Reduce, Reuse and Recycle and take all possible initiatives to inculcate the same among students and staff to minimize waste generation. Being an Educational Institute, hazardous waste or e-waste is not significantly generated. Adequate measures are in place to manage the solid waste. Dead leaves from the trees and a reasonably large amount of other solid waste generated in the college is managed thoughtfully. The green waste is collected centrally in the pit and used up in the composting of the campus. The output of this is used as manure for the plants in the gardens. Paper waste including shredded answer sheets are sold to licensed purchasers.

**Liquid waste management:**

Being a Technical Institute, hazardous waste from chemicals and acids are minimal in the Chemistry laboratory. However, utmost care is ensured to dilute the concentrated solutions before their disposal.

Appropriate measures are taken to dispose of the toxic wastes.

**E-waste management:**

E-waste such as computers, printers, CPUs, UPS batteries, electrical and electronic assemblies, cathode ray tubes, PCBs, resistors, capacitors etc. collected from various departments are sorted and are either disposed in safe manner through the authorized vendor or exchanged during the new purchase. Almost all equipment is used to its fullest, by permitting usage of its parts in other suitable equipment or in student's projects.



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

**Founder President Late Padmashri H. G. Vartak**

(Approved by AICTE and Affiliated to the University of Mumbai)

Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.


Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in


## Liquid Waste Management of Chemistry Laboratory, VCET

Radioactive and hazardous chemical waste are not produced by the Institute. For laboratory or research purposes, the majority of departments do not employ any chemicals or radioactive materials.

Chemicals are handled in extremely small quantities and are employed in diluted form in the Chemistry laboratory activities. All students receive guidance from staff members on how to use and handle chemicals safely.

The bulk of the tests employed alkali and acid solutions, which are created in extremely low quantities and are not highly dangerous. The primary purpose of acid-base titrations is to determine the concentration of the reactant or product. As a result, the reaction mixture and neutral wastewater comprise the laboratory's output. Samples of the titration and reaction mixture are collected separately and placed in waste chemical containers. After neutralization and dilution, it is released further.

  
Mrs. Chandrakishori Sonarkar  
Chemistry Laboratory Incharge

  
Dr. Harish Vankudre  
Principal, VCET



## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Circulars and Report of activities for the  
Implementation of the initiatives document for**

**Water Conservation**

***Water conservation facilities available in the Institution:***

1. Rain water harvesting
2. Construction of tanks and bunds

**Rooftop rainwater harvesting**

A roof top rainwater harvesting structure is created within the institute campus to reduce ground water withdrawal and to recharge ground water.

**Construction of tanks & bunds**

A ferrocement tank of size 3 ft x 3 ft and depth 2 ft was constructed in the campus in association with Jalvardhini Pratisthan. The tank is currently used as a curing tank in the building materials & concrete laboratory for civil practical sessions (Report available)

Rain water harvesting structures and utilization in the campus

Response:

The Institute aims to use natural resources such as sunlight, rain water to its best. The total drinking water requirement of the college is fulfilled by the Vasai Virar Municipal Corporation water supply scheme.

Other water requirement is met through the harvested rainwater. The Institute has invested Rs.1.1 Lacs for installing the rainwater harvesting system.

Rain water harvesting structure:

Rainwater from terrace area is collected using PVC pipes and diverted to the existing boring water tanks through advanced filters and recharge tanks. The pipes from terrace outlet are connected to an underground tank which stores water; this serves the purpose of recharging wells and bore wells. There are two different collection chambers. First collection chamber has a diameter 1.65 meter (Approx.) and 3.5 meter (Approx.) and second collection chamber is of diameter 0.95 meter (Approx.) and 3.5 meter (Approx.). During the collection of water to these chambers, 3 filter beds each measuring 0.8m × 1.8m × 2m (Approx.) are provided for the filtration of harvested water. Water collected from these two chambers is pumped to the overhead tank using a solar pump.

Utilization:

The harvested rainwater is used for water closet, gardening, washing and cleaning floors throughout the year.



Dr. Amar N. Joshi.  
Geologist

Hydrogeology \* Water Conservation \* Rainwater Harvesting \* Engineering Geology

Permanent Address; 11, Roopkala, West Avenue, Santacruz (W), Mumbai 400054 E mail: amarjoshi@geologist.com

Present Address; 16, Suraj, Near Podar school, Saraswati Road, Santacruz (W), Mumbai 400054 Tel: 9821040797

### RAINWATER HARVESTING SYSTEM COMPLETION CERTIFICATE

To,

Vidhya Vardhini's College of Eng. & Technology

9.4.2013

Vasai

Sub: Completion certificate of Rainwater Harvesting scheme at Engg. College Building No. A

Sir,

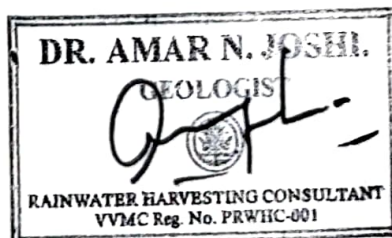
I hereby certify that the scheme of Rainwater Harvesting at Building No. A of engineering college on plot bearing S. No. 20, 21, 22 & 23 at village: Navghar, Tal: Vasai, Dist: Thane has been implemented as per the concept & design submitted by me as Rainwater Harvesting consultant. (Ref report RWH/VV/13/1, dated 25.3.2013). The work done at the above site fulfills the criteria as mentioned in directions given under TPB-432001/2133/CR-230/01/UD-11 dated 10.3.2005 & in the notification No. TPB-4307/396/CR-124/2007/UD-11 dated 6.6.2007 issued by Government of Maharashtra Urban Development & also, as per DCR of Vasai -Virar sub region of CIDCO.

The work was completed by April, 2013. Minor changes in the design were incorporated as per the prevailing site conditions. The work has been implemented under my supervision. The work has been completed to the best of my satisfaction.

Yours sincerely,

Dr. Amar N. Joshi.

9.4.2013





Dr. Amar N. Joshi  
Geologist

Hydrogeology \* Water Conservation \* Rainwater Harvesting \* Engineering Geology

Permanent Address: 11, Rongkula, West Avenue, Santacruz (W), Mumbai 400054 E-mail: amarjoshi@geologist.com

Present Address: 06, Suraj, Near Pudar school, Sarawati Road, Santacruz (W) Mumbai 400054 Tel: 982203727

### RAINWATER HARVESTING SYSTEM COMPLETION CERTIFICATE

To,

Vidhya Vardhini's College of Eng & Technology

Vasai

9.4.2013

Sub-Completion certificate of Rainwater Harvesting scheme at Engg. College Building No. A

Sir,

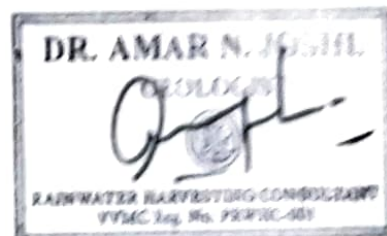
I hereby certify that the scheme of Rainwater Harvesting at Building No. A of engineering college on plot bearing S No. 20, 21, 22 & 23 at village Navghar, Tal Vasai, Dist Thane has been implemented as per the concept & design submitted by me as Rainwater Harvesting consultant (Ref report RRAP/VA/V/13/1 dated 25.3.2013). The work done at the above site fulfills the criteria as mentioned in directions given under TPB-432001/2133/CR-230/01/UD-11 dated 10.3.2005 & in the notification No. TPB-4307/398/CR-124/2007/UD-11 dated 6.6.2007 issued by Government of Maharashtra Urban Development & also, as per DCR of Vasai-Virar sub region of CIDCO.

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Yours sincerely,

Dr. Amar N. Joshi.

9.4.2013







Dr. Amar N. Joshi.  
Geologist

Hydrogeology \* Water Conservation \* Rainwater Harvesting \* Engineering Geology

Permanent Address; 11, Roopkala, West Avenue, Santacruz (W), Mumbai 400054 E mail: amarjoshi@geologist.com

Present Address; 16, Suraj, Near Podar school, Saraswati Road, Santacruz (W), Mumbai 400054 Tel: 9821040797

### RAINWATER HARVESTING SYSTEM COMPLETION CERTIFICATE

To,  
Vidhya Vardhini's College of Eng. & Technology  
Vasai

9.4.2013

Sub: Completion certificate of Rainwater Harvesting scheme at Engg. College, Vasai

Sir,  
I hereby certify that the scheme of Rainwater Harvesting at Vidhya Vardhini College of Engineering & Technology in Building No. A & B on plot bearing S. No. 20, 21, 22 & 23 at village: Navghar, Tal: Vasai, Dist: Thane has been implemented as per the concept & design submitted by me as Rainwater Harvesting consultant. (Ref report RWH/VV/13/1, dated 25.3.2013). The work done at the above site fulfills the criteria as mentioned in directions given under *TPB-432001/2133/CR-230/01/UD-11 dated 10.3.2005* & in the notification No. *TPB-4307/396/CR-124/2007/UD-11 dated 6.6.2007* issued by Government of Maharashtra Urban Development & also, as per DCR of Vasai -Virar sub region of CIDCO.

The work was completed by April, 2013. Minor changes in the design were incorporated as per the prevailing site conditions. The work has been implemented under my supervision. The work has been completed to the best of my satisfaction.

Yours sincerely,

Dr. Amar N. Joshi.

9.4.2013





# 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	SAVE WATER POSTER MAKING
Date of the activity	26/09/2022 - 30/09/2022
Description of the activity	COLLEGE STUDENTS FROM EVERY DEPARTMENT WERE WELCOMED TO CREATE POSTERS
Venue of the event	VCET
Organizing committee	NSS
Number of participants	92

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 – 30th September, 2022**

To,  
The Principal  
VCET

**Subject: Report on "Save Water Poster Making" Competition.**

NSS Committee of Vidyavardhini's College of Engineering and Technology held the "Save Water or Rainwater Harvesting Handmade Poster Making Competition" from 26<sup>th</sup> to 30<sup>th</sup> September 2022.

This competition welcomed college students from every department to create posters with a central theme of water conservation and rainwater harvesting. Participants were required to submit their posters in-person from 26th to 30th September. Winners of the competition were rewarded with cash prizes and certificates, which were presented by the Vasai Virar Municipal Corporation.

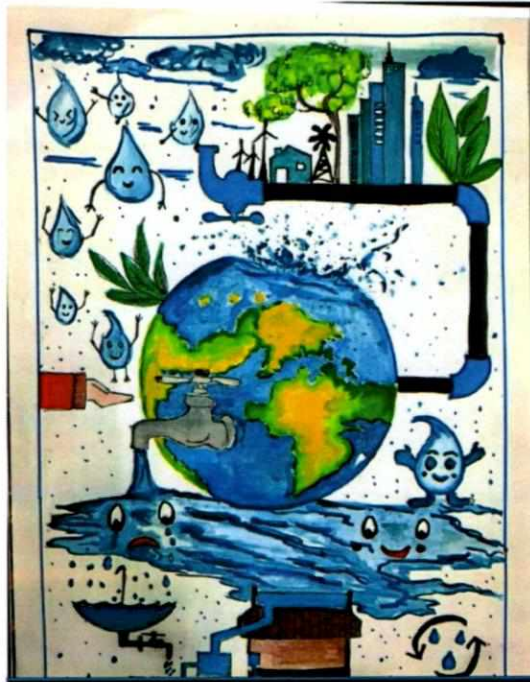
The competition achieved its core purpose of spreading awareness about rainwater harvesting among students, nurturing their creative talents, and inspiring them to support a noble cause.

Thank you.

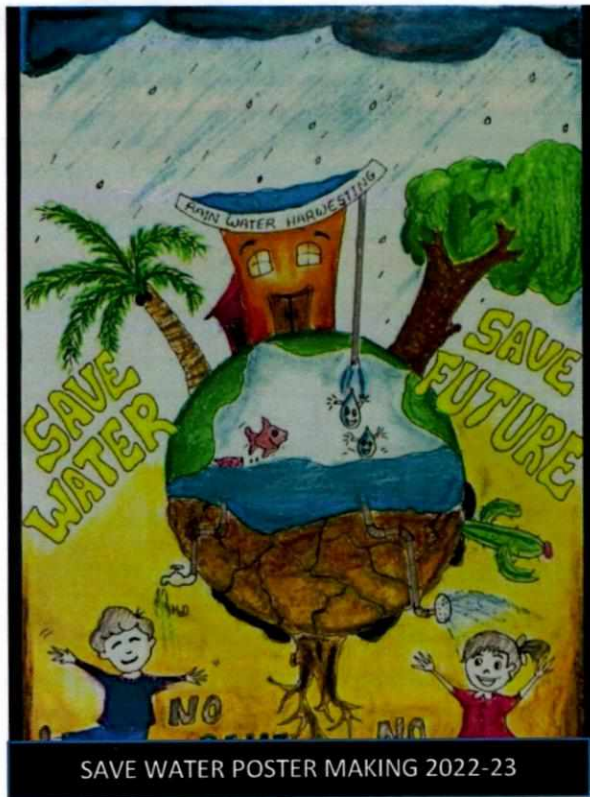
Dr. Pradip Gulbhile  
Program Officer  
NSS



SAVE WATER POSTER MAKING 2022-23



SAVE WATER POSTER MAKING 2022-23



SAVE WATER POSTER MAKING 2022-23

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



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



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

SAVE WATER POSTER MAKING

SR NO	NAME	YEAR	SR NO	NAME	YEAR
1	Rishabh Nahar	TE	48	Jidnyasa Patil	TE
2	Pallavi Thakur	TE	49	Vrushti Sanghv	TE
3	Nilesh Birje	TE	50	Vinayak Deore	SE
4	Niharika Das	TE	51	Harshal Bhamra	SE
5	Soham Murudkar	TE	52	Prachi Shah	SE
6	Siddhi Kolwankar	TE	53	Shruti Pawar	SE
7	Vedant Chaskar	TE	54	Gauravi Patank	SE
8	Prerna Gawali	TE	55	Raghvendra De	SE
9	Pratham Ingawale	TE	56	Soham Dahanu	SE
10	Bhupeksha Patil	TE	57	Suryanarayan C	SE
11	Sanika Patil	TE	58	jagruti Borse	SE
12	Jay Prajapati	TE	59	Isha Kshatriya	SE
13	Rohit Redekar	TE	60	Tejal Mendhe	SE
14	Hrushikesh Shetty	TE	61	Prathamesh Me	SE
15	Kshitij Patil	TE	62	Rutuja Mestry	SE
16	Onkar Suryavanshi	TE	63	Sahil Kulabkar	SE
17	Rishabh Tripathi	TE	64	Sayali Gupta	SE
18	Riya Dutta	TE	65	Vaishnavi Gaik	SE
19	Vaishnavi Deokar	TE	66	Amey Chaudari	SE
20	Abhishek Hatui	TE	67	Vipul Bhoir	SE
21	Omkar Jadhav	TE	68	Nishant Bhandi	SE
22	Aditi Khambe	TE	69	Parth Baradia	SE
23	Sanskriti Kokare	TE	70	Aryan Darade	SE
24	Siddhi Kolwankar	TE	71	Ujjwal Upadhay	SE
25	Archa Jadhav	TE	72	Anirudha Jadh	SE
26	Prerna Kanekar	TE	73	Shranya Rudral	SE
27	Nikita Mundaye	TE	74	Akash Mourya	SE
28	Shubham Nakashe	TE	75	Kavisha Pachal	SE
29	Suyash Shelar	TE	76	Vaishnavi Dunc	SE
30	Kshitij Shetty	TE	77	Anushka Supe	SE
31	Radha Vishwakarma	TE	78	Aditya Bhandar	SE
32	Riddhi Chavda	TE	79	Durvesh Karjek	SE
33	Sahil Patil	TE	80	Ankita Bhosle	BE
34	Sachin Rai	TE	81	Mayuresh Kade	BE
35	Krish Vaity	TE	82	Ragini Nair	BE
36	Prajakta Borse	TE	83	Riya Raut	BE
37	Sneh Dave	TE	84	Sushant Shetty	BE
38	Manas Raut	TE	85	Urmiksha Tawd	BE
39	Harsh Sharma	TE	86	Chaitanya Patil	BE
40	Deekha Shetty	TE	87	Sundar Chaudr	BE
41	Chetan Jawale	TE	88	Prathamesh Mc	BE
42	Janvi Chavan	TE	89	Syed Qadri Sir	BE
43	Sahil Gujral	TE	90	Aditi Rathod	BE
44	Siddhi Jangam	TE	91	Ankur Saha	BE
45	Aayush Jha	TE	92	Shravan Tawde	BE
46	Prinshi Jha	TE			
47	Urvashi Patel	TE			

HRUSHIKESH SHETTY  
NSS LEADER

DEEKSHA SHETTY  
UDAAN PRESIDENT

Yash  
PO NSS

## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Circulars and Report of activities for the  
Implementation of the initiatives document for**

**Green campus initiatives**

The institutional initiatives for greening the campus are as follows:

1. Pedestrian Friendly pathways
2. Ban on use of Plastic
3. Landscaping with trees and plants

The Institute is located 3 minutes walking distance from Vasai Road suburban Station on Western Railways. Most of the students and staff members of the Institute stay in Western suburban area of greater Mumbai and the frequently used mode of transport in this area are Western Railway local suburban trains.

**Ban on use of Plastic:**

The Institute has taken initiative to spread the awareness of green living in the campus. Posters showing awareness about plastic free campus has been displayed in the campus so that each person in the campus could follow initiative.

**Landscaping with trees and plants:**

The Institute is blessed with green campus through the nature itself each block of the building and playground are surrounded by green lawn & trees, in addition to the Institute ensure to strictly adhere plantation activity regularly.



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

(Approved by AICTE and Affiliated to the University of Mumbai)

Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401 202, Maharashtra.

Tel.: 0250-2338234 (6 Line) • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

## Department of Civil Engineering

Date: 12/01/2023

To

The Principal

Vidyavardhini's College of Engineering and Technology,

Vasai (W)

Subject: **Proposal for Establishing a Green Club in our College**

Respected Sir

I, the undersigned, Ms. Puja C. Kadam, Assistant Professor of Civil Engineering Department of our college is writing you this application, on behalf of Civil Engineering Department, to propose the establishment of a Green Club on our campus, dedicated to promoting environmental awareness, sustainability, and community engagement. In today's world, the importance of environmental consciousness cannot be overstated, and as members of the academic community, we have a responsibility to contribute positively to our planet.

The primary objective of the Green Club is to foster a culture of sustainability and eco-consciousness within the college community. We aim to educate, engage, and inspire students to adopt environmentally friendly practices and contribute to the global effort to address climate change.

I believe that establishing a Green Club in our college aligns with our institution's commitment to academic excellence, social responsibility, and sustainability. I am confident that this initiative will not only benefit our college community but also serve as a model for other institutions to follow.

Thank you for considering this proposal. I look forward to your positive response.

Sincerely,

Ms. Puja C. Kadam

Assistant Professor

Department of Civil Engineering *AS Rode*

VCET, Vasai

To, The Principal, VCET

Respected Sir,

Kindly consider to grant  
us permission for establishing  
the Green Club.

Regards.

*Permitted*  
*[Signature]*  
12/01/23





**VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY**  
 Founder President Late Padmashri. H.G. VARTAK

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 Phone:0250-2338234 (6 Lines) •Fax:0250-2339486 •Website: [www.vcet.edu.in](http://www.vcet.edu.in) •Email:vcet\_inbox@vcet.edu.in

Date: 11-08-2023.

Notice No.36

All the Students, teaching and non-teaching staff are hereby informed that the "Green Club" VCET Committee has been formed. The tenure of the Committee members is for two years. The following persons are the members of the Committee:

Sr. No	Name of the Member	Post/Responsibility	Mobile No
1	Ms. Puja C. Kadam	Faculty Coordinator	9049987618
2	Mr. Tanzil Sayed	President (Youth)	8689988443
3	Mr. Atharva Jadhav	Vice President (Youth)	8767209801
4	Ms. Samiksha Jagne	Coordinator (Campaign)	7620979617
5	Ms. Sakshi Navle	Coordinator (Documentation)	8010620754



*P. T. Lavoye*  
 I/C Principal



## GREEN CLUB OF VCET, VASAI

### Need of Green Club:

Climate change is one of the critical challenges of the times we live in. Every component of the environment, including the water cycle, rising heat levels, biodiversity, and soil is affected by environmental degradation and these changes, in turn, impact our living, food, health, employment and almost every aspect of our life.

Hence, these changing times call for coordinated interventions to combat and face climate change. Young people are playing and going to play a crucial role in addressing climate change globally, nationally, and at their local level.

Maharashtra is the third most climate-vulnerable state in India after Assam and Andhra Pradesh. The state has nine agro-climatic zones, and the third-longest coastal belt in the country. It is the second most populous state with a significantly large population living in low-income settlements, and tribal pockets that are vulnerable to climate impacts. At the same time, many places in the state are exposed to recurrent hazards such as cyclones, landslides, floods, droughts, climate-induced disease spikes, and so on. Children, adolescents, and youth face a combination of exposure and a very high vulnerability to multiple hazards and environmental shocks due to inadequate or inaccessible and sometimes disruptive essential services especially related to water, sanitation, healthcare, and education. These challenges become even more threatening for children from vulnerable and disadvantaged backgrounds.

Maharashtra ranks 38 among the world's regions at-risk of damage to the built environment due to climate change, states a report published on February 23 according to the Gross Domestic Climate Risk Report which states that the more developed or 'built-up' a particular region is, the more vulnerable it will be to climate change-induced natural disasters by 2050. Mumbai's vulnerability assessment has predicted that the metropolitan city will face two major climate challenges - a rise in temperature and extreme rain events which can result in massive flooding. The six key action areas and strategies laid out to combat the effect are:

1. Urban Flooding & Water Resource Management
2. Sustainable Waste Management
3. Urban Greening & Biodiversity
4. Energy & Buildings
5. Air Quality and
6. Sustainable Mobility



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering

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Tackling climate change requires concerted and coordinated government action as well as conscious and informed efforts by individuals. Therefore, it is essential to strengthen both formal and informal education on climate change and viable lifestyles. Green club aims at building the capacity of youth as future leaders and driving forces behind a new climate change regime, where college students can diversify their careers and abilities by learning new skills whilst tackling environmental and climate change issues.

### **Aim and Objectives of Green Club:**

The Green Club (GC) is established to provide the values of environmental stewardship among the students. It aims to work towards an eco-friendly environment in and around colleges and education institutions by efficient use of resources like water, waste, energy, and circularity.

The formation of Green Clubs will primarily focus on coordinating with youth in the colleges to support environmental activities and projects within colleges and communities as extension services. Under this program, the aim is to empower students to participate in and take up meaningful environmental activities and projects. Green Club would be imbibed in college-level curricular activities to ensure effective implementation and act as a platform to develop sustainable lifestyles, knowledge, and leadership skills.

### **Formation of Green Club:**

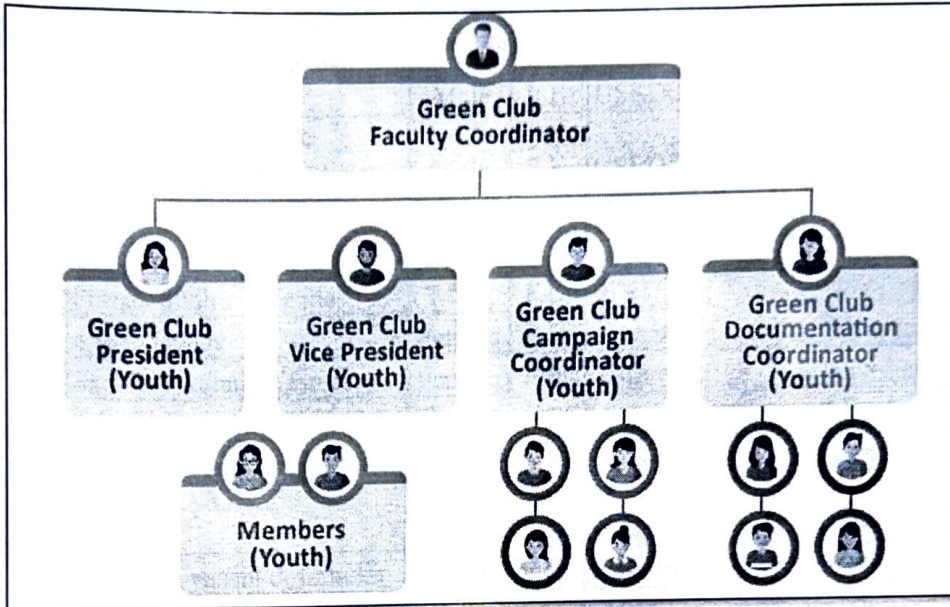
As stated in the objectives, the overall effort is to institutionalize the environment and climate change mitigation and adaptation activities in college. Any college student interested in and committed to addressing environmental issues and learning about climate adaptation solutions can become a member of the Club. The Club should ensure a balance of all genders and have maximum volunteers registered in the Club. The Club's membership will be for two years. The participation of members will be recognized at different stages by giving badges during this period and they will get a certificate for participation after the completion of two years.

One or two faculty members who have a long-term vision of climate change should lead Green Club activities. However, the vision should be shaped and articulated in coordination with all the student members. The Club will have meetings every week to discuss and take reviews of environmental sustainability and climate change adaptation activities. The activities aim to create climate change-sensitive youth and inculcate green habits through various innovative and classical methods.



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering



Structure of Green Club

The Green Club of VCET was formed on 11/08/2023 and the club consists of following members:

Vidyavardhinis College of Engineering and Technology, Vasai (W)					
VCET- GREEN CLUB (2023-2024)					
Sr. No.	Full Name of the Participant	Gender	Class	Branch	Role
1	Ms. Puja Kadam	Female	-	Civil	Green Club Faculty Coordinator (GCFC)
2	Mr. Tanzil Sayed	Male	S.E.	Comp	President (Youth)
3	Mr. Atharva Jadhav	Male	S.E.	EXTC	Vice-President (Youth)
4	Ms. Samiksha Jagne	Female	S.E.	CSEDS	Coordinator (Campaign)
5	Ms. Sakshi Navle	Female	S.E.	I.T.	Coordinator (Documentation)
6	Ashutosh Singh	Male	F.E.	AIDS	Member
7	Satyasheel Ajit Mohite	Male	F.E.	EXTC	Member
8	Siddhi Vilas Bhosale	Female	F.E.	Comp	Member
9	Mrunal Nagesh Chorghhe	Male	F.E.	Civil	Member
10	Abhishek Yadav	Male	F.E.	Comp	Member
11	Atharva Susheel Kumar Tripathi	Male	F.E.	Civil	Member



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering

12	Swapnil Vitthal Sawant	Male	S.E.	Comp	Member
13	Hemant Chandraprakash Mishra	Male	F.E.	CSEDS	Member
14	Ansari Mohd Ahmed Mohmmmed Yunus	Male	S.E.	CSEDS	Member
15	Shatakshi Harshal Raut	Female	F.E.	Mech	Member
16	Harsh Gangavane	Male	F.E.	EXTC	Member
17	Pranav Sudhir Balgude	Male	F.E.	EXTC	Member
18	Sjasta Jadhav	Female	F.E.	Mech	Member
19	Sara Vivekanand Gorule	Female	F.E.	Comp	Member
20	Laxmikant pal	Male	F.E.	Mech	Member
21	Swapnil mangalampalli	Male	S.E.	CSEDS	Member
22	MANAV MOHAN NIVATE	Male	S.E.	Mech	Member
23	Siddharth vasant deshमुख	Male	F.E.	CSEDS	Member
24	Chaitanya Suryawanshi	Male	S.E.	Mech	Member
25	Jayesh bhagat	Male	S.E.	Mech	Member
26	Siddhi Vijay Chavan	Female	S.E.	IT	Member
27	Deep patel	Male	F.E.	Comp	Member
28	Krishna Hanuman Parkad	Male	S.E.	Mech	Member
29	Omkar Ganesh Mhalungekar	Male	S.E.	Civil	Member
30	Atre Bhargavi Mandar	Female	S.E.	EXTC	Member
31	Yadav Priya	Female	F.E.	CSEDS	Member
32	Jaysurya Nadar	Male	S.E.	Mech	Member
33	Rushikesh Vikram Dhangar	Male	F.E.	CSEDS	Member
34	Siddharth Nagsen Phulambrikar	Male	F.E.	Comp	Member
35	Yadav Niraj Subedar	Male	S.E.	Mech	Member
36	Bhakti Bosamiya	Female	S.E.	EXTC	Member
37	Radhika	Female	F.E.	EXTC	Member
38	Monalika Sanjay Pingale	Female	S.E.	Comp	Member
39	DIYA SANJAY KORE	Female	F.E.	EXTC	Member
40	Soham dattaram bhuvad	Male	F.E.	Civil	Member
41	Shriya Prakash Sawant	Female	F.E.	EXTC	Member
42	Sushant Shantaram Shetty	Male	F.E.	EXTC	Member
43	Manswi Mahendra Sutar	Female	F.E.	EXTC	Member
44	Jheel Pankaj Siddhpura	Female	F.E.	EXTC	Member
45	Amit Chandrakant Pednekar	Male	F.E.	EXTC	Member
46	Tejas Vinod Rathod	Male	F.E.	EXTC	Member
47	Yuvraj Singh	Male	S.E.	Mech	Member
48	Mitesh Yadav	Male	S.E.	Mech	Member



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering

49	Rohit yadav	Male	S.E.	Mech	Member
50	Anil Yadav	Male	S.E.	Mech	Member
51	Swarup Satish Kakade	Male	S.E.	AIDS	Member
52	SHRUTI GAUCHANDRA	Female	F.E.	AIDS	Member

### Activities to be done under Green Club:

The following activities are planned for the implementation phase of Green Club.



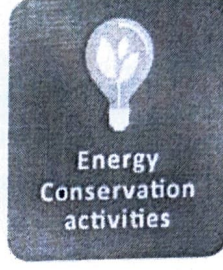
#### Water conservation activities

- Avoid wastage - Fix leakages, fix flow of taps, be more conscious
- Take shorter showers
- Turn off the water while brushing your teeth
- Turn off the water while shaving
- Run washing machine only in full capacity/ full loads
- Access to individual soak pit
- Access to community soak pit



#### Waste Management activities

- Plastic waste collection drive and awareness on Single-Use Plastic ban.
- Plastic Free College campus, village
- Zero Waste College Campus Make your Institution a 'Zero Waste Institution'.
- Organic waste composting



#### Energy Conservation activities


- Analysis of Energy usage
- Awareness creation on efficient energy usage
- Share skilling and entrepreneurship opportunities in renewable energy sector.
- Organise discussion around means and ways to minimize emissions as a college/ institution and as individuals.



#### Biodiversity protection Activities

- Biodiversity register
- Tree census of College Campus, Village, Taluka
- Butterfly garden
- Adopt, plant, nurture a native tree.
- Promote tree plantation and biodiversity protection in their respective localities



  
Ms. Puja Kadam  
Green Club Faculty Coordinator  
VCET, Vasai



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

(Approved by AICTE and Affiliated to the University of Mumbai)

Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401 202, Maharashtra.

Tel.: 0250-2338234 (6 Line) • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

Department of Civil Engineering

Date-17/07/2023

To

The Principal

VCET, Vasai (w)

**Subject – Permission for conducting Expert lecture on Rainwater Harvesting**

Respected Sir,

We request you to grant us the permission for conducting Guest Lecture for Civil Engineering students on Rainwater Harvesting. The lecture will be delivered by Mr. Sandeep Adhyapak, Chartered Engineer and Director, Water Field Technologies, Pvt. Ltd on 20/07/2023, Thursday from 11:00am - 1:00 pm.

Water Field Technologies Pvt. Ltd is the key contributor towards the acquisition and high-level utilization of Water Resources. They deal with water management solutions all over the world .

Also we request you to sanction the amount of Rs. 3000/- against honorarium and travelling expenses. We would be grateful if you permit us for the same.

Thanking You

*Permitted  
From Dept  
Activity Fund  
As of*

Regards,

Dr. Ajay S. Radke

H.O.D (Civil Engineering)  
VCET, Vasai (W)



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

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K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.

Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

Department of Civil Engineering

Date-07/09/2023

To

The Principal

VCET, Vasai (w)

**Subject – Permission for organizing Expert session on Rainwater Harvesting**

Respected Sir,

We, on behalf of Civil Engineering department of VidyaVardhini's college of Engineering, Vasai (W) and also a Green Club Faculty Coordinator(GCFC), hereby request you to grant a permission for organizing Expert session for Engineering students on **Rainwater Harvesting** on 08/09/2023, Friday from 11:00am - 1:00 pm by Mr. Sandeep Adhyapak, Chartered Engineer at Water Field Technologies, Pvt. Ltd. This session was previously organized on 20/07/2023 but due to heavy rainfall, holiday was declared by government and the session got postponed.

Water Field Technologies Pvt. Ltd is the key contributor towards the acquisition and high-level utilization of Water Resources. They deal with water harvesting in India and worldwide and they have Memorandum of Understanding (MOU) with our Civil Engineering Department

Also we request you to sanction the amount of Rs. 3000/- against honorarium and travelling expenses. We would be grateful if you permit us for the same.

Thanking You

Regards,

Dr. Ajay S. Radke

H.O.D (Civil Engineering)  
VCET, Vasai (W)

*Permitted  
Asuf*





# Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

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## Report of Expert session on Rainwater Harvesting- An effective tool for water management

**Objective of the Session:** To provide a platform for the dissemination of knowledge, discussion, and awareness-building regarding the importance and implementation of rainwater harvesting as a sustainable water management technique.

**Date of Session:** 08<sup>th</sup> September 2023, Friday at 11:00 AM

**No. of Participants:** 40

**Name of the Speaker:** Mr. Sandeep Adhyapak, Director of Water field Technologies Pvt. Ltd.

### **About the Speaker:**

Mr. Sandeep Adhyapak is a bachelor's in civil Engineer from Mumbai University (1994). As a Rainwater Harvesting Expert / Consultant he has created various success stories with many Organizations/Govt. Departments and industries all over country. He advocates Rainwater Harvesting through his Company - Water Field Technologies Pvt. Ltd.-Mumbai, the Projects implementation for augmentation of Ground Water sources to meet the needs of Water supply in Industries, Urban Development projects and drinking Water supply schemes in rural area. He is Life member of Indian Waterworks Association (IWWA) Mumbai Centre. He has presented the case studies in a Workshop on Rainwater Harvesting under National Environmental Awareness Campaign 2003-2004 (Ministry of Environment & Forest) Organized by Govt. Polytechnic, Bombay. He was appointed by Thane Municipal Commissioner, as an empaneled consultant (2005), Expert on Rainwater Harvesting, for creating awareness in Thane city and in 2012 on Vasai-Virar City Municipal Corporation (VVCMC). He is Winner of Special Mention Prize in H2H-2005 Competition for Turnkey Project designed and implemented at Maharashtra Nature Park At Sion-A Rainwater Harvesting Project In Mumbai, Funded By MMRDA. He Also made other presentations and attended Exhibitions, Training programs, Lectures and Workshops Rainwater Harvesting, conducted by various organizations.



# Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

## Description of the Session:

Green Club of VCET in collaboration with Department of Civil Engineering had organized an Expert session on Rainwater Harvesting for all the Faculty members and students. The expert for the session, Mr. Sandeep Adhyapak, is, a renowned expert in the field of water resource management and a distinguished advocate of rainwater harvesting, delivered an engaging and informative presentation during the expert session. The key highlights of his presentation and the discussions that followed are summarized below:

**VIDYAVARDHINI'S COLLEGE OF  
ENGINEERING AND TECHNOLOGY, VASAI**

**GREEN CLUB of our college  
Along with Department of Civil Engineering  
Is organising an**

**EXPERT SESSION ON**

**Rain water Harvesting  
-An effective tool for  
Water Management**

**DATE**  
FRIDAY, 08 SEPTEMBER

**TIME**  
11AM TO 1:00PM

**Venue: Ground Floor Seminar hall**

The session is for all the  
Engineering students and  
Faculty members

**SPEAKER**  
MR. SANDEEP ADHYAPAK  
DIRECTOR OF WATERFIELD TECHNOLOGIES PVT.LTD

## Importance of Rainwater Harvesting:

Mr. Adhyapak emphasized the critical significance of rainwater harvesting as a solution to the growing water scarcity issue in many regions. He stressed the importance of harnessing rainwater as a valuable source of freshwater that could supplement the existing water supply systems.



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering

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### **Benefits of Rainwater Harvesting:**

The expert session detailed the various advantages of rainwater harvesting, including its potential to reduce the strain on traditional water resources, mitigate flooding, and contribute to groundwater recharge. Moreover, it was highlighted that this method can lead to significant cost savings and promote water self-sufficiency at both individual and community levels.

### **Techniques and Technologies:**

Mr. Adhyapak provided insights into different rainwater harvesting techniques, such as rooftop rainwater harvesting, surface runoff harvesting, and groundwater recharge systems. He discussed the technological advancements in rainwater harvesting equipment and systems that can enhance efficiency and sustainability.

### **Case Studies:**

The expert session featured several successful case studies of rainwater harvesting projects from around the world. These real-world examples demonstrated the feasibility and positive outcomes of adopting rainwater harvesting practices.

### **Regulatory and Policy Framework:**

The importance of supportive regulatory and policy frameworks for the promotion of rainwater harvesting was emphasized. Mr. Adhyapak discussed the need for governments and local authorities to implement incentives, regulations, and standards to encourage and regulate rainwater harvesting.

### **Community Engagement and Education:**

Mr. Adhyapak stressed the importance of community engagement and education to promote the widespread adoption of rainwater harvesting. He highlighted the role of educational institutions, NGOs, and local communities in creating awareness and building capacity.

### **Q&A Session:**

Following the presentation, there was a lively and interactive question and answer session where participants had the opportunity to seek clarifications and delve deeper into specific aspects of rainwater harvesting.



# Vidyavardhini's College of Engineering & Technology

## Department of Civil Engineering

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### **Conclusion:**

In conclusion, the expert session on rainwater harvesting by Mr. Sandeep Adhyapak was highly informative and well-received by the participants. It shed light on the potential of rainwater harvesting as an effective tool for water management, addressing water scarcity issues, and promoting sustainable water use practices. It also underscored the importance of collaborative efforts between governments, organizations, and communities to implement and encourage rainwater harvesting.

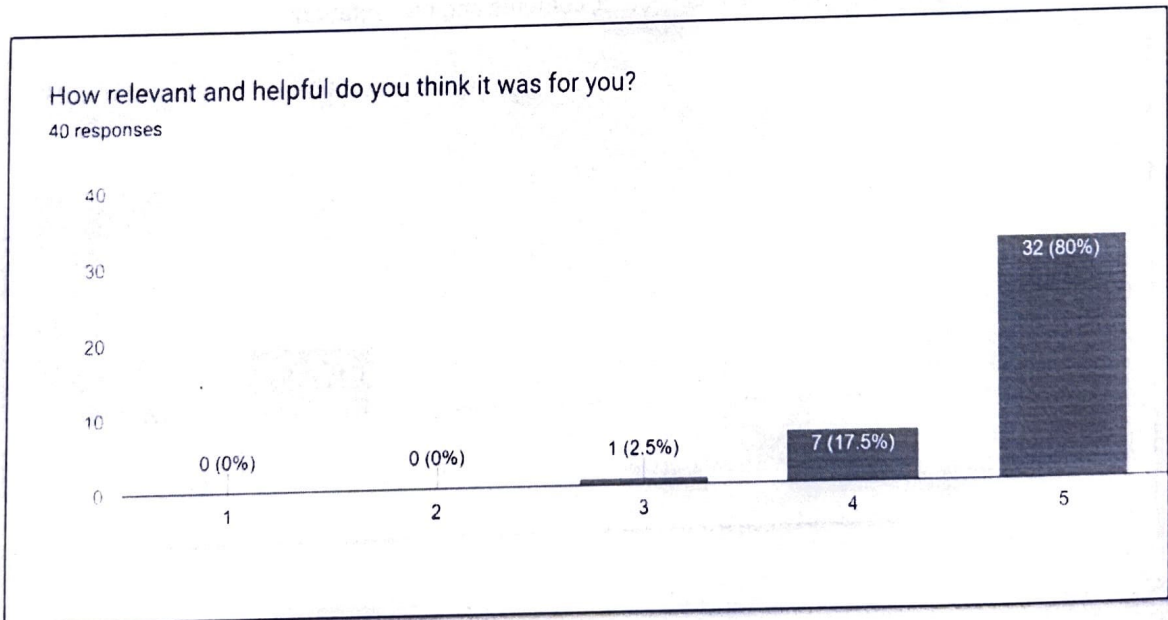
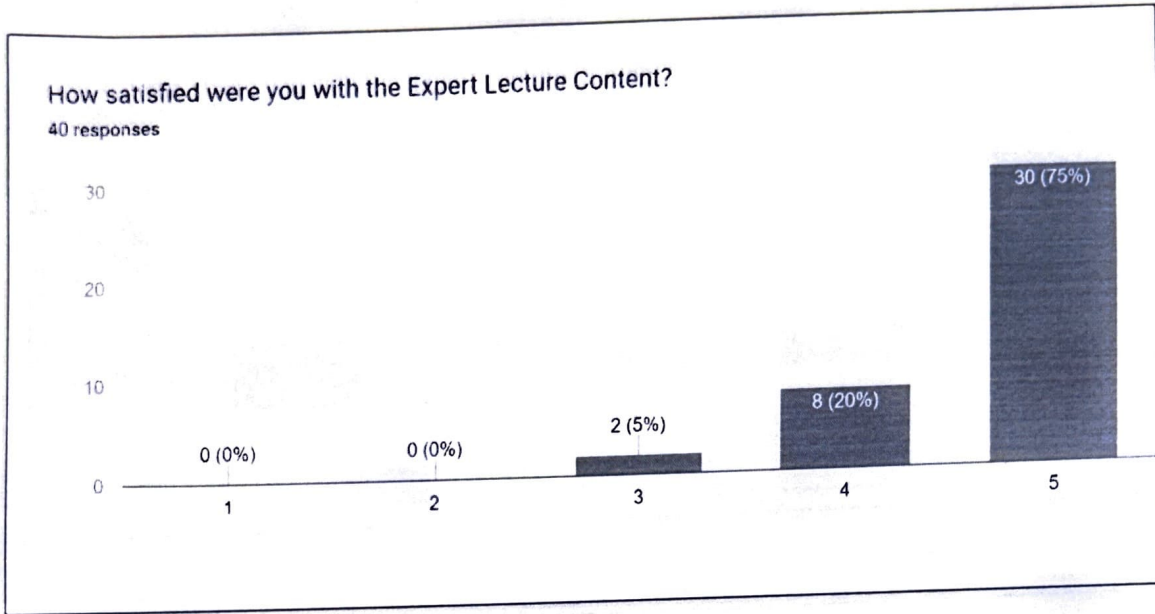
The knowledge and insights shared during this expert session will undoubtedly contribute to advancing the cause of sustainable water management and the widespread adoption of rainwater harvesting techniques.



# Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

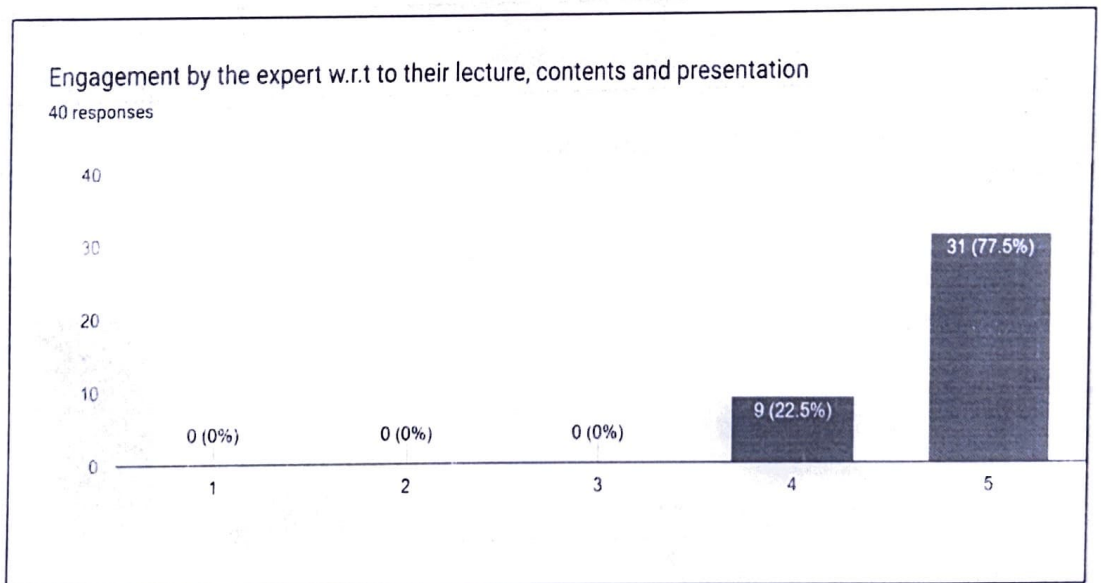
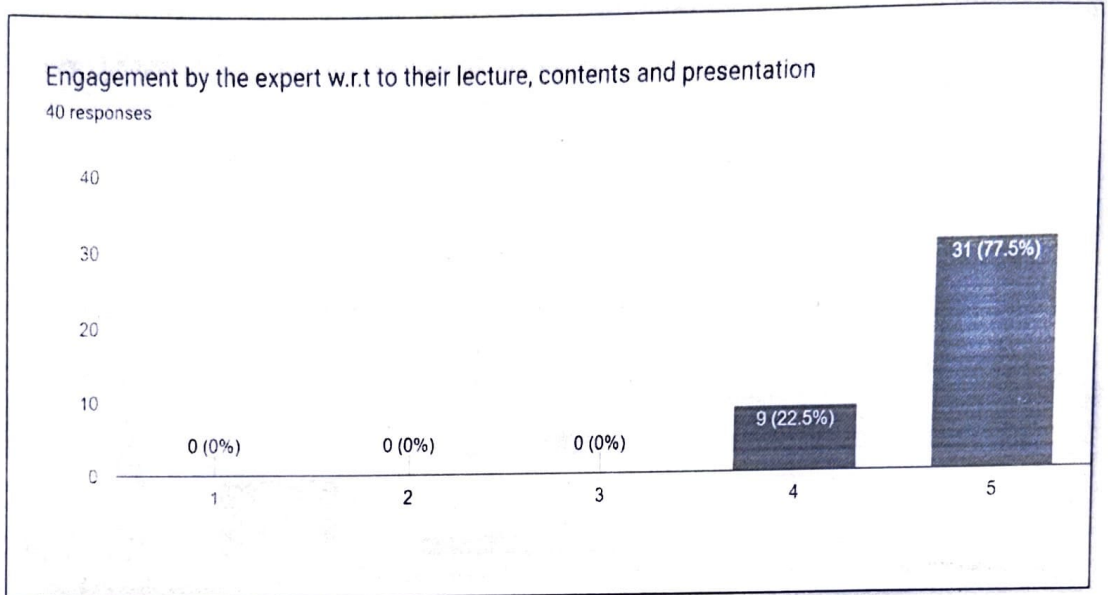
## Feedback:





# Vidyavardhini's College of Engineering & Technology

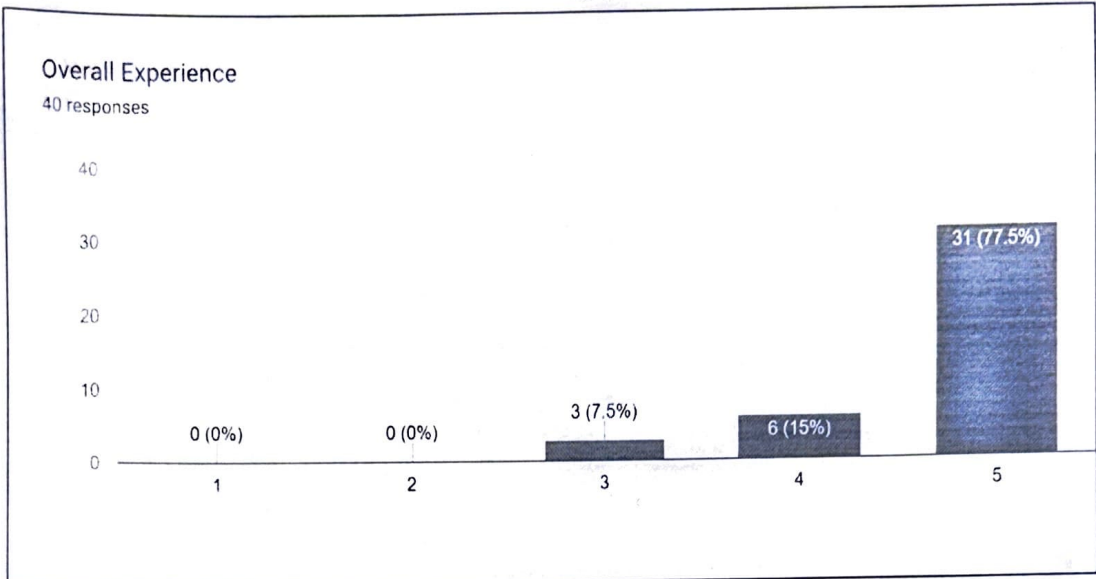
## Department of Civil Engineering





# Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

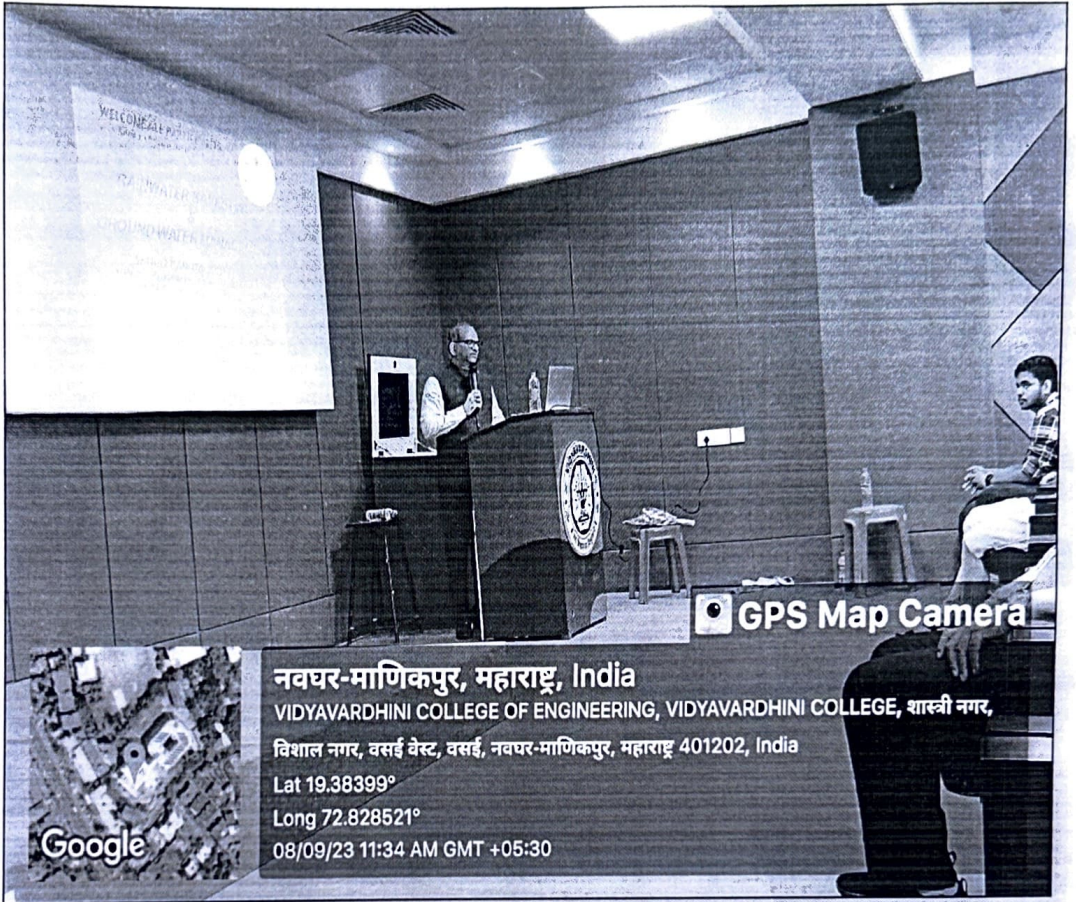




Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

Glimpses of Session:



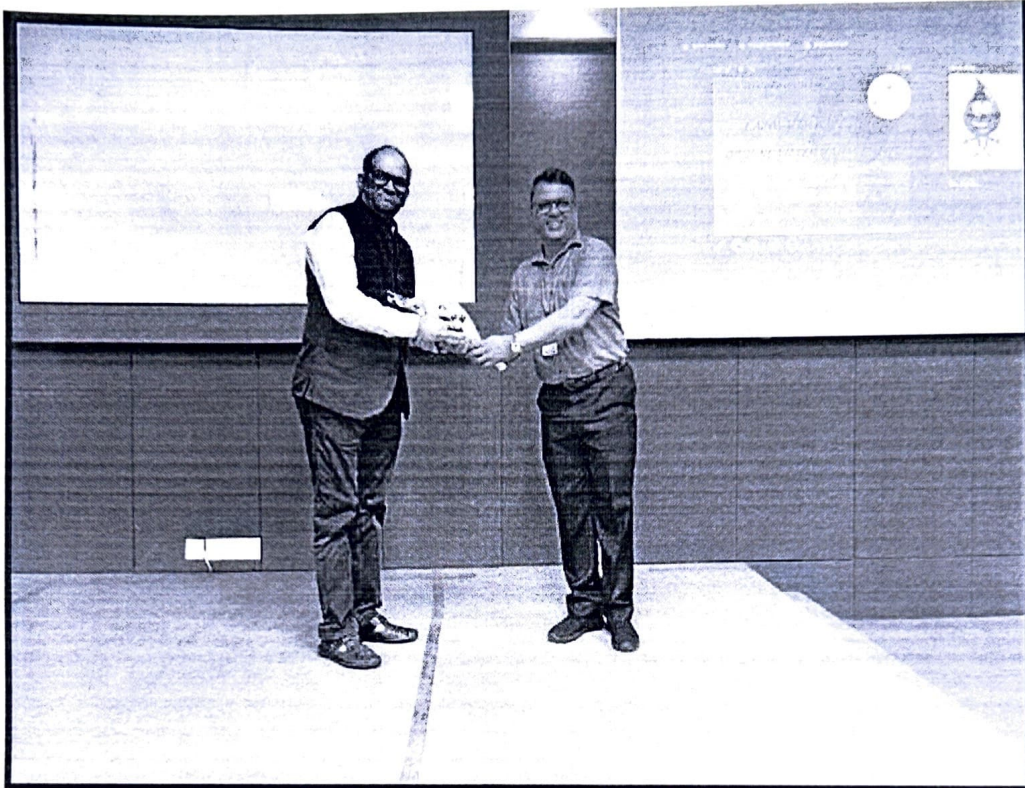
LECTURE BY MR. SANDEEP ADHYAPAK





# Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering



FELICITATION BY DR. ASHUTOSH DABLI



ATTENDANCE OF CIVIL ENGINEERING  
STUDENTS

# Vidyavardhini's College of Engineering & Technology, Vasai Road, (W.)

Department of Civil Engineering In collaboration of GREEN CLUB of VCET

Expert Session on Rainwater Harvesting- An effective Tool for water management

## Attendance Sheet

Sr.No.	Name of Student	Class	Signature
1	Omhar Cheke	TE	Omhar's
2	Aryan Rajesh Sankhe	SE	Aryan
3	Sarthak Joshi	SE	Sarthak
4	Kavya Kiran Lakde	SE	Kavya
5	Ajit Rajkumar Gupta	SE	Ajit
6	Prerna Rajendra Kasar	BE	Prerna
7	Chetan Ramdas Lande	BE	Chetan
8	Vishal Asaram Rathod	BE	Vishal
9	Aniruddha Rane	TE	A. Rane
10	Shreya Jagdish Bari	BE	Shreya Bari
11	Pratham solanki	TE	P. solanki
12	Farhaan Sayed	SE	Farhaan
13	Jeet Vipul Gholani	BE	Jeet
14	Jeevan Ramchandra Medge	BE	Jeevan
15	Pawaskar Rashi Dinesh	BE	P.R.D.
16	Chetan Digambar Barhate	BE	Chetan
17	Krunal Suresh Misal	SE	Krunal
18	Kimaya Satish Salunkhe	BE	Kimaya
19	Vaishnavi Kanath Patil	BE	Vaishnavi
20	Sushma Mahu Gaikawad	BE	Meghna
21	Meghna Akar Mohite	SE	Meghna
22	A. Mahale	BE	A. Mahale
23	Shubham dayanand Gorwale	TE	Shubham
24	Anuja Manu Gaikawad	BE	Anuja
25	ANUKE VITTHAL CHOLE	SE	Anu
26	VIKRANT A. HAWALE	SE	Vikrant
27	Chinat Sureet Kishor	SE	Chinat
28	Akshat Santosh Soni	SE	Akshat
29	Prashant K. K. Gandhi	TE	Prashant
30	CHIRISHANTOSH PATIL	SE	Chirishantosh
31	Harsh Kavyendra Bhat	SE	Harsh
32	MANJANA MAJURYA SHYAMBAHADUR	SE	Manjana
33	Suren Dave	BE	Suren
34	Rohit Santosh Shinde	SE	Rohit
35	Amrita Anil Dethle	BE	Amrita
36	Krutika Karas Chavan	TE	Krutika
37	SHAIKELHAMZA H. HAM	SE	Shaike
38	Saam Shivaji Pundpal	BE	Saam
39	Aashi Anil Karawde	SE	Aashi
40	Sagar A. Shastri	SE	Sagar

## Report on Training Programme on “ Youth Engagement & Water Stewardship – Training Program of Green Club faculty Co Ordinator”

**Title:** “ Youth Engagement & Water Stewardship – Training Program of Green Club faculty Co Ordinator “organized by UNICEF and Higher and Technical Education Department of Government of Maharashtra

**Venue:** Bharati Vidyapeeth Institute of Technology , Kharghar, Navi Mumbai

**Time:** 9:00 A.M. to 4:30 P.M.

### **Objective:**

1. Appoint the Green Club Faculty Coordinators of each Institution and given them training
2. Mandatory to make Green Club of each Institution with minimum 100 students
3. Conduct activities under Green Club and submit the report monthly to the Master Trainer

### **Description:**

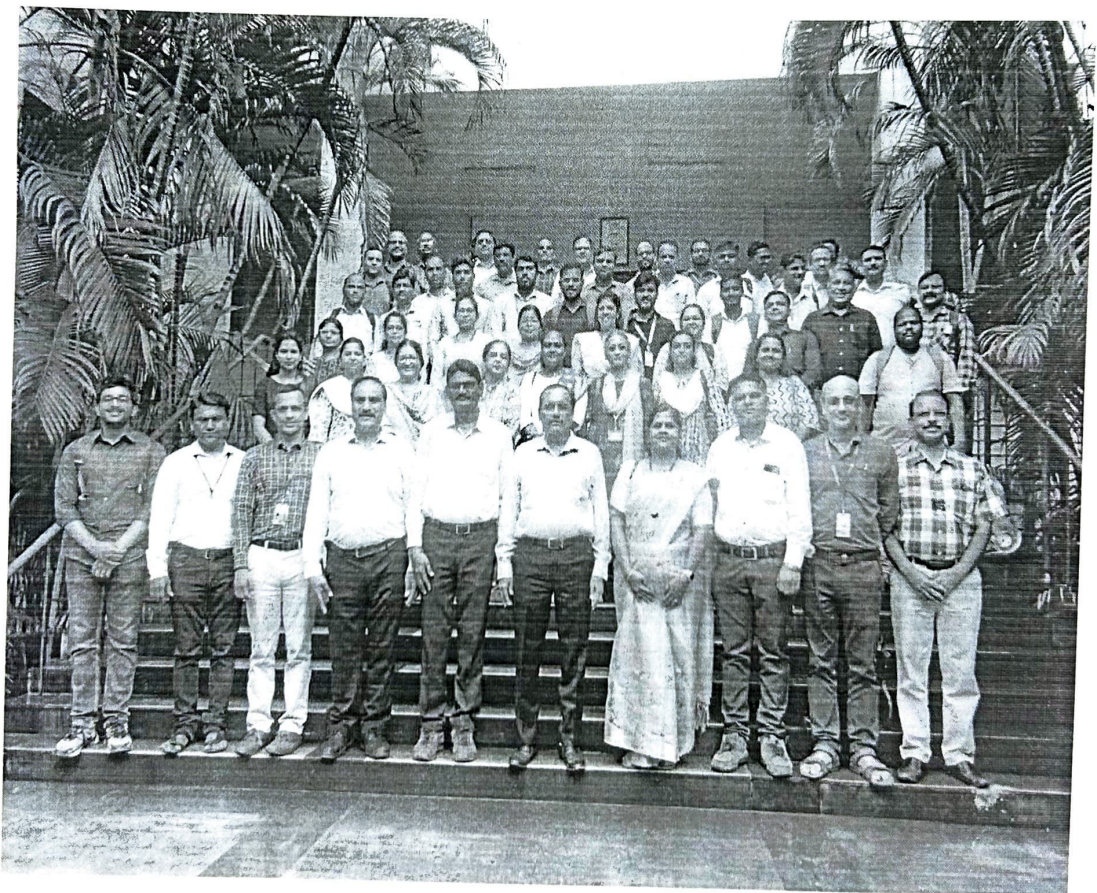
Youth Engagement & Water Stewardship – Training Program of Green Club faculty Co Ordinator was organized by UNICEF and Higher and Technical Education Department of Government of Maharashtra . Ms. Puja Kadam, Assistant Professor from Civil Engineering is the Green Club Faculty Coordinator (GCFC) for Vidyavardhinis College of Engineering and Technology. This is an Initiative of Government where its is mandatory to make a Geen Club in the Institution with minimum 100 students and 1 or 2 Green Club Faculty Coordinator. Out of the total students members in the Green Club, 1 elected students will be Green Club President , 1 as Green Club Vice President, 1 as Green Club Campaign Coordinator and 1 AS Green Club Documentation Coordinator . The confirmation of the formation of the club along with the name of the Green Club Faculty Coordinator (GCFC) and 4 elected students for the above posts has to be submitted by 15/08/2023, Tuesday. This club will be active for 2 years from 2023-2025.

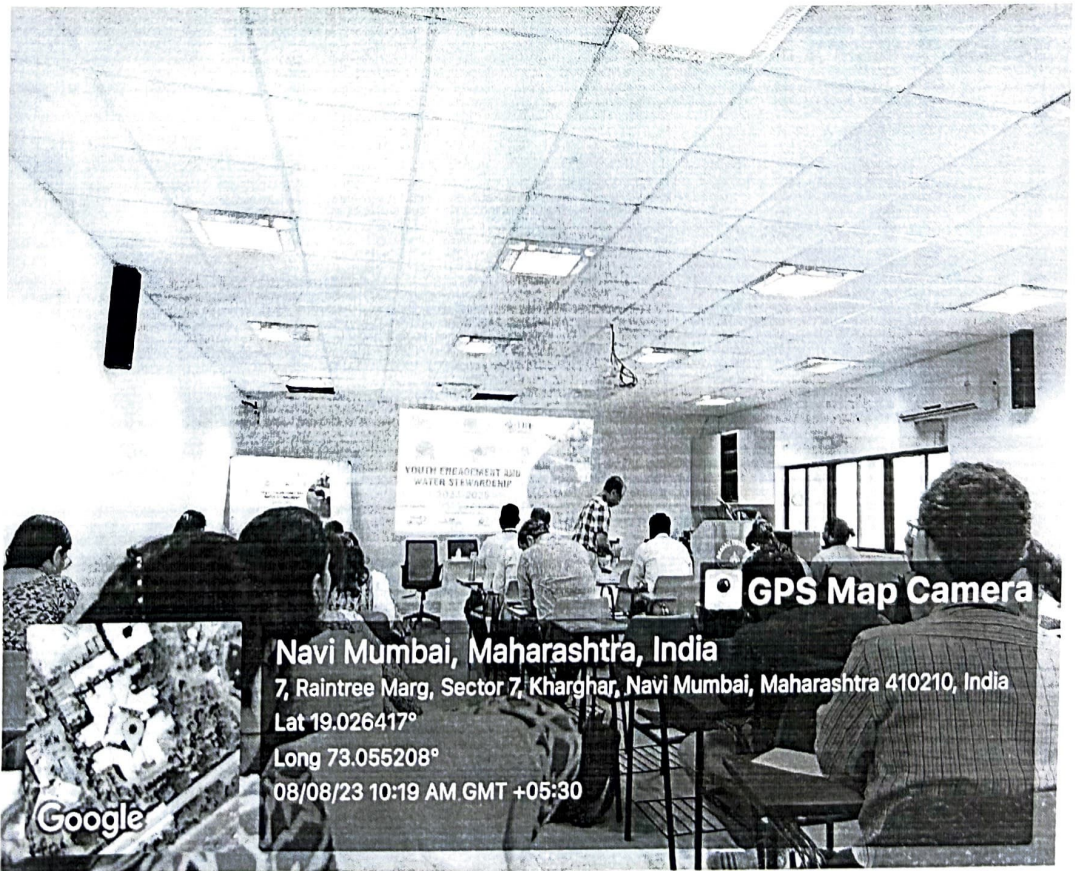
Green club activities will be focused on the following themes: Water Conservation, Waste Management and Circularity, Energy Efficiency, Circularity and Biodiversity Conservation.. The club is expected to have an Annual Activity Calendar and deliverables to measure the impact of the activities. Interested students can enroll themselves in the respective activities.

The Campaign Coordinator can chalk out the campaigns from the idea suggested by the majority of student members and will plan the details by consulting the President and Vice President and Faculty Coordinators.

Minutes of all meetings and reports of activities should be documented on paper and supported with photographs and videos. The Documentation Coordinator is responsible for it. Experiences, testimonies, and reports regarding water conservation activities need to be shared in the 'Why Waste?' mobile application and overall activities on the Green Cub social media handles and U-Report. U-Report is a mobile empowerment program that connects young people all over the world to information that will change their lives and influence decisions.

### **Photos of the training Program**





**Navi Mumbai, Maharashtra, India**  
7, Raintree Marg, Sector 7, Kharghar, Navi Mumbai, Maharashtra 410210, India  
Lat 19.026417°  
Long 73.055208°  
08/08/23 10:19 AM GMT +05:30

Date: 07/08/2023, Monday

To  
The Principal  
VCET, Vasai.

**Subject: Application for OD on 08/08/2023 for attending the training program arranged by UNICEF, Palghar District through DTE at Bharati Vidyapeeth College of Engineering, Kharghar.**

Respected Sir,

I, Ms. Puja C. Kadam, Assistant Professor from Civil Engineering Department, is appointed as program officer for Green club of Palghar District and hence I am supposed to attend a training program of the same on 08/08/2023 for attending the training program at Bharati Vidyapeeth College of Engineering, Kharghar. I request you to grant exam OD for the same.

Thanking you,

Regards



Ms. Puja C. Kadam

Assistant Professor

Civil Engineering Department



Dr. Ajay Radke

H.O.D.(Civil Engg)



महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, ठाणे.

फडकेपाडा, भारतगिअर्स कंपनी समोर, खाडीगाव, मुंब्रा, ठाणे ४०० ६१२

principal.gpthane@dtmaharashtra.gov.in Web: www.gpthane.org.in

जा.क्र.शातानेठा/भांडार/२०२३/ 1464

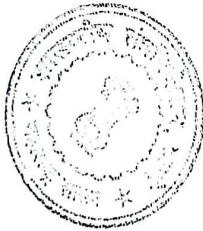
दिनांक : 08/08/2023

### DUTY CERTIFICATE

Prof. Puja Kadam

(DTE Code 3194) has participated in the Training Programme on "Youth Engagment & Water Stewardship – Training Program of Green Club Faculty Coordinator" organized by UNICEF and Higher & Technical Education Department of Government of Maharashtra at Bharati Vidyapeeth Institute of Technology, Kharghar, Navi Mumbai on 8<sup>th</sup> August 2023.

He/She is relieved from training program on 8<sup>th</sup> August 2023 (A.N.). TA/DA has not been paid to him/her.



Dr. D. R. Mahajan  
Principal & District Nodal Officer  
YEWS Programme District Thane

Govt

19.4.98

Binnny Rao student in J.E mech

FOR PRINCIPAL  
VIDYAVARDHINI'S COLLEGE  
OF  
ENGINEERING & TECHNOLOGY  
VASAI ROAD-401202. SN 99 B/R 2

पश्चिम रेलवे  
Western Railway

एस एन 99 बी/आर 2  
SN 99 B/R 2

पश्चिम रेलवे WESTERN RAILWAY

J.E mech

यह स्कूल प्रमाण पत्र 25 वर्ष से अनाधिक आयु के छात्रों को ही जारी किया जाए  
School Certificate to be issued only to Students of not more than 25 years of age

Y 0516695

रिकार्ड के लिए  
For RECORD

Y 0516695

Binnny/ की निम्नलिखित

Issued in favour of Rao

सीजन टिकट के लिए जारी किया गया :-  
for the following Season Tickets :-

दर्जा Class	अवधि Period	इस स्टेशन से From	इस स्टेशन तक To
II	MONTHLY	Borivai	VASAI ROAD

मैं एतद्वारा प्रमाणित करता हूँ कि " Binnny Rao " इस स्कूल में, जिसका प्रिंसिपल/प्रधानाध्यापक हूँ, शिक्षा प्राप्त करने के लिए नियमित रूप से उपस्थित होता/होती है। मेरे विश्वास एवं जांच के अनुसार इसकी आयु 20 वर्ष मास है, स्कूल रजिस्टर में इसकी जन्म तिथि 19.4.98 दर्ज है। अतः यह बयस्कों से लिए जानेवाले विद्यार्थी की आयु की आधी दर पर निम्नांकित विवरण अनुसार सीजन टिकट के लिए पात्र है :-

I hereby certify that " Binnny Rao " regularly attends this School for the purpose of receiving education, the institution of which I am the Principal/Head Master and his / her age this day, according to my belief and from enquiries I have made, is 20 years 06 months, his/her date of birth as entered in the School Register being 19.4.98. He / She is therefore, entitled to the Season Ticket as detailed below at half the full rates charged for adults :-

दर्जा Class	अवधि Period	इस स्टेशन से † From	इस स्टेशन तक † To	जारी किए गए सीजन टिकट का नम्बर † No. of Season ticket issued
II	MONTHLY	Borivai	VASAI ROAD	

@ विद्यार्थी के पास इस समय The Student at present holds दर्जे का टिकट नं. Class Season Ticket No. From से to तक है जोकि अर्ध-वार्षिक/त्रैमासिक/मासिक है और जिसकी अवधि को समाप्त होती है।  
for the half year /quarter /month ending.

दिनांक Date 25.10.18

प्रिंसिपल प्रधानाध्यापक के हस्ताक्षर  
Signature of Principal/Head Master

कॉलेज/स्कूल का नाम (स्कूल के नाम की मोहर)  
Name of College/School (School name stamp)

स्थान Locality FOR PRINCIPAL  
VIDYAVARDHINI'S COLLEGE

OF  
ENGINEERING & TECHNOLOGY  
VASAI ROAD-401202.

\* छात्र का पूरा नाम लिखें। Enter the name of the student in full.

† छात्र के निवास स्थान के निकटतम स्टेशन और स्कूल के स्थान के बीच उपलब्ध। Available only between station nearest to student's residence and station nearest to the school.

‡ सीजन टिकट जारी करनेवाले स्टेशन द्वारा भरा जाए। To be filled in by the station issuing the season ticket.

@ यदि पहले सीजन टिकट न रहा हो तो " कुछ नहीं " शब्द लिखना चाहिए।  
If no season ticket is held the word 'NIL' should be written.

टिप्पणी :- यह प्रमाण-पत्र जारी करने के दिन सहित तीन दिनों तक ही वैध होगा। इसके बाद इसका उपयोग न किया जाए।  
Note :- This certificate will be valid for three days including the date of issue and if not made use of within that time must be returned by the issued for cancellation.



PRINCIPAL  
VIDYAVARDHINI'S COLLEGE  
OF  
ENGINEERING & TECHNOLOGY  
VASAI ROAD-401202

प्रिंसिपल / प्रधानाध्यापक के हस्ताक्षर  
Signature of Principal/Head Master

कॉलेज/स्कूल का नाम  
Name of College/School

जारी करने की तारीख 25.10.18  
Date of Issue

पत्र के क.महालक्ष्मी 100 x Lvs.



Sample of student concession record.

VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY, VASAI ROAD (WEST)

FOR WESTERN RAILWAY STUDENT CONCESSION

Foil No.	Date of Issue	Name of Students	Class	Period	Date of Birth	Full Address	Remarks (FROM / TO)	
Y0321201	17/07/2018	Raj Mukne	I	Mth	21/02/2000	B/202,Shakun heights Manvel Pada Road, Virar(E)	Virar	Vasai Rd
Y0321202	17/07/2018	Rupesh Birwadkar	II	Mth	27/11/97	138/10, Subhecha Chs Sector D Charkop Kandivali (W)	Kandivali	Vasai Rd
Y0321203	17/07/2018	Milan Mangukiya	II	Mth	22/03/97	704 D-16 SHANTI VIHAR MIRA ROAD - E THANE - 401107	Mira Road	Vasai Rd
Y0321204	17/07/2018	R.Sabesh	II	Mth	02/04/00	181/2, NCH COLONY LBS MARG, KANJURMARG (W), MUMBAI	Church Gate	Vasai Rd
Y0321205	17/07/2018	Hrishikesh Yadav	II	Mth	30/10/98	C-401, Pooja Park Mira Bhayander Road Thane	Mira Road	Vasai Rd
Y0321206	17/07/2018	Akshay Rathod	II	Mth	27/07/96	Indranil Apt Ramwadi Road Dhanu Road	Dhanu Road	Vasai Rd
Y0321207	17/07/2018	Jaydeep Darji	II	Mth	01/10/98	Room-42, Ram Chadra Bhejneth Pandey Chawl Ambawadi Dahisar (E)	Dahisar	Vasai Rd
Y0321208	17/07/2018	Chinmay Nair	I	Mth	20/11/98	Room No-057 5th Floor Mantri Corner Bldg Nearpare Lst Depot Dadar	Elphinstone	Vasai Rd
Y0321209	17/07/2018	Omkar Ardalkar	II	Mth	08/06/98	002, MUKUND PARK, SHEETAL NAGAR, MIRA ROAD (E).	Mira Road	Vasai Rd
Y0321210	17/07/2018	Pankaj Yadav	II	Mth	12/12/98	408/A, Apli Ekta Soc Narpada Moral Nalea Andheri (E)	Andheri	Vasai Rd
Y0321211	17/07/2018	Shweta Avhad	I	Mth	15/06/99	204, 5/A, SUNRISE CHS, KHADAKPADA DINDOSHI, MALAD EAST, MUMBAI-400097	Goregaon	Vasai Rd
Y0321212	17/07/2018	SUNIL JAGTAP	II	Mth	25.10.96	MMRDA VASAHAT WESTERN EXPRESS HIGHWAY NEAR ASMITA SCHOOL SAI SIDDHI SANKUL R/6/B-78 AKASHEEP SOC JOGESHWARI - E	Andheri	Vasai Rd
Y0321213	17/07/2018	OMKAR KAMERKAR	II	Mth	2/3/1998	201/ JayKrishaa Apt Patankar Park NallaSopara (W)	Nalla Sopara	Vasai Rd
Y0321214	17/07/2018	Rahul Goden	II	Mth	10/11/96	R.No-01, Maruti Chawl Chawl No-10 Hindustari Naka Charkop Kandivali (W)	Kandivali	Vasai Rd
Y0321215	17/07/2018	Shrishti Shetty	II	Mth	04/12/97	B/701, Gokul Heaven Society Thakur Complex Kandivali (E)	Kandivali	Vasai Rd
Y0321216	17/07/2018	Chaitanya Khamkar	II	Mth	17/01/99	C-503, Anand Heritage Anand Park Kandarpada Dahisar (W)	Dahisar	Vasai Rd
Y0321217	17/07/2018	Mrunal Pawar	II	Mth	29/06/98	J-Wing 302, Vaishanavi Plaza Virar (E)	Virar	Vasai Rd
Y0321218	17/07/2018	Pranjali Lokhande	I	Mth	09/01/99	401, Om Bhagwati Api Behind Navghar Police Chowki Navghar Road Bhayander (E)	Bhayander	Vasai Rd
Y0321219	17/07/2018	Jaarvi Jha	II	Mth	24/07/97	405, Fi Shivbhakti Indraprasth Complex Navghar Rd Bhayander (E)	Bhayander	Vasai Rd
Y0321220	17/07/2018	Pranita Kapse	II	Mth	24/05/97	A/504, Daisy Bldg Yashavant Nagar Virar (W)	Virar	Vasai Rd
Y0321221	17/07/2018	Mansi Khot	II	Mth	4/3/1997	D/501, Shilesh Apt sai krup Complex Dahisar E	Dahisar	Vasai Rd
Y0321222	17/07/2018	Harshada Solkar	II	Mth	10/5/2000	ROOM NO 11, WATER WORK STAFF QUATTERS K. S TAYEBGI ROAD, MALBAR HILL NEAR HANGING GARDEN	Grant Road	Vasai Rd
Y0321223	17/07/2018	Manasi Pilankar	I	Mth	01/10/94	21/41, M.H.B.Colony Near Tata Pauer House Borivali (E)	Borivali	Vasai Rd
Y0321224	17/07/2018	Vatsal Patel	II	Mth	13/12/97	Kalhan Chawl, Anus Nagar, Andheri	Andheri	Vasai Rd
Y0321225	17/07/2018	Kaushal Jha	II	Mth	18.8.98	RASHMI REGENC-2, FLAT NO. 303, VASAI LINK RD. CHANDREH VAIBHAV, B-402, NR JAYA PALACE, ACHOLE RD. NALLASOPARA (E)	Nallasopara	Vasai Rd



PRINCIPAL  
VIDYAVARDHINI'S COLLEGE  
OF  
ENGINEERING & TECHNOLOGY  
VASAI ROAD 401 202.

**Vidyavardhini's College of Engineering and Technology, Vasai Rd.**Date: 20<sup>th</sup> July 2018

To

The Principal

VCET

Report on *Tree Plantation*

Keeping the spirit of *Vanmahotsav*, alive with the ongoing tree plantation drive all across the country, a tree plantation programme was held in our **Vidyavardhini's College of Engineering and Technology Vasai Road** campas on 17<sup>th</sup> July 2018.

Tree plantation drive inaugurated by respected Secretary of our Institute **Shree Bhausahab Mohol** and **Principal Shree Dr. Vankudre** by planting and watering few saplings. Heads of all department, Registrar, enthusiastic teaching and non-teaching staff with students were taken part in tree plantation drive.

Saplings are taken from local nursery. We selected saplings such as Indian Pongamia (Karanja), Golden Rain tree (Bahava), Cassia, Legistonia, Nag chafa, Ashoka and Bottlebrush.

We Planted 50 saplings on the periphery of our campas.

The tree plantation drive organized by Tree Plantation Committee.

Following are some snaps of tree plantation drive;



Tree Plantation By Shree Bhausahab Mohol, Secretary of Vidyavardhini Trust

**Vidyavardhini's College of Engineering and Technology, Vasai Rd.**



Tree Plantation By Shree Dr Vankudre, Principal of Vidyavardhini's College of Engineering



Tree Plantation By Shree Dr Vikas Gupta, Dean Academics of Vidyavardhini's College

*Dev*

Vidyavardhini's College of Engineering and Technology, Vasai Rd.



Tree Plantation By HODs Dr. Asolekar and Mr Dipak Chaudhari



Tree Plantation By Mr Save, Registrar




Tree Plantation Committee

*Save*

Vidyavardhini's College of Engineering and Technology, Vasai Rd.



Tree Plantation by Students

  
Mr Sainath Patil  
VCET Vasai Rd



17\_Tree Plantation Committee

**VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY**  
Founder President Late Padmashri. H.G. VARTAK

(Approved by AICTE and Affiliated to the University of Mumbai)

Four Branches Permanently Affiliated by University of Mumbai

K.T. Marg, Vasai Road (W), Dist-Thane, Maharashtra, Pin 401 202.  
Phone:0250-2338234 (6 Lines) •Fax:0250-2339486 •Website: [www.vcet.edu.in](http://www.vcet.edu.in) •Email:vcet\_inbox@vcet.edu.in

Date: 02-05-2018.

**Notice No.05**

All the students, teaching and non-teaching staff are hereby informed that Tree Plantation Committee has been formed. The following persons are the members of the Committee:

- |    |                       |   |                       |
|----|-----------------------|---|-----------------------|
| 1) | Dr. Vikas Gupta       | - | Zonal Officer         |
| 2) | Prof. Sainath Patil   | - | Liasoning Officer     |
| 3) | Mr. Sanjeev Vedpathak | - | Sub-Liasoning Officer |
| 4) | Ms. Rashmi Pereira    | - | Clerk                 |
| 5) | Mr. Vijay Kamadi      | - | Peon                  |

  
I/c. Principal



  
**PRINCIPAL**  
**VIDYAVARDHINI'S COLLEGE**  
**OF**  
**ENGINEERING & TECHNOLOGY**  
**VASAI ROAD 401 202.**

## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Circulars and Report of activities for the  
Implementation of the initiatives document for**

**Disabled-friendly, barrier free environment.**

***The Institution has disabled-friendly, barrier free environment.***

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms.
3. Signage including tactile path, lights, display boards and signposts.
4. Assistive technology and facilities for persons with disabilities (*Divyangjan*)  
accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	All students and staff
Provision for lift	Yes	All students and staff
Ramp/Rails	Yes	All students and staff
Braille Software/facilities	No. Not Required in Technical Institute	Not Applicable
Rest Rooms	Yes	All students and staff
Scribes for examination	Yes	Upon request based on medical condition
Special skill development for differently abled students	No	Not Applicable
Any other similar facility	Yes (Website Helpline)	All

<https://vcet.edu.in/helpline-for-divyangjan/>



## Disabled Friendly, Barrier free environment Institute Website

The screenshot shows a web browser window with the URL [vcet.edu.in/helpline-for-divyangjan/](http://vcet.edu.in/helpline-for-divyangjan/). The page header features the college's logo on the left and the text "VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY, VASAI ROAD" and "विद्यावर्धिनीचे अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय, वसई रोड" (Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai) on the right. A navigation menu includes links for "About Us", "Admission", "Departments", "Academics", "Research", "Facilities", "Student life@vcet", "Committees", "NAAC", "Training & Placements", and "MMS(MBA) Exam". The main content area has a yellow background with the heading "Divyangjan" and the sub-heading "Home » Helpline for Divyangjan". Below this, a section titled "HELPLINE FOR DIVYANGJAN" lists two contact persons: Prof. Bharti Gondhalekar - 9423365470 and Prof. Swapnil Mane - 9860170151. The Windows taskbar at the bottom shows the date as 22-02-2024 and the time as 15:52.



# 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: 7.1.2

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

## **Responsibilities**

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment.

**This document contains sample for calculation for Alternate sources of energy and energy conservation measures.**

The Institution Has facilities for alternate sources of energy conservation measures

1)Yes college had solar Energy set up, below is the solar power consumption chart

Month	Total Power Generated through Solar(KW)	Total MSEB Power Consumption	Total power fed to Grid	Actual Total Power Consumption	% of Solar Power	Per kVA unit Generation (For 50 kVA System)	Saving (Assuming Rs.12/Unit)
Apr-22	6829	30510	758	36581	18.67	136.58	81948
May-22	6343	20877	555	26665	23.79	126.86	76116
Jun-22							
Jul-22	4616	5826	0	10442	44.21	92.32	55392
Aug-22	3826	26049	171	29704	12.88	76.52	45912
Sep-22	4107	21903	333	25677	15.99	82.14	49284
Oct-22	6101	22698	993	27806	21.94	122.02	73212
Nov-22	5826	20796	207	26415	22.06	116.52	69912
Dec-22	5465	19428	372	24521	22.29	109.3	65580
Jan-23	6353	17754	438	23669	26.84	127.06	76236
Feb-23	6302	25410	204	31508	20.00	126.04	75624
Mar-23	6841	31971	525	38287	17.87	136.82	82092
Apr-23	7199	30669	585	37283	19.31	143.98	86388
<b>Average</b>	<b>5817.33</b>	<b>22824.25</b>	<b>428.42</b>	<b>28213.17</b>	<b>22.15</b>	<b>116.35</b>	<b>69808.00</b>

2)Wheeling to the Grid:

Yes (see above Chart) Total 428.42KW power fed to grid

3)use of LED bulbs/power efficient equipment

Total 95% LED Bulbs/LED Tube lights are used, 5% are Standard Fluorescent Tube lights.

Percentage Lighting through LED bulb	Percentage Lighting through other sources
95%	5%

**Calculations:**

Total power Generated Through solar=6829

Total MSEB Power Consumption =30510

Total Power fed to grid =758(This power fed is when college is closed on Saturday and Sunday)

Actual Total Power consumption=30510+6071=36581(6829-758=6071)

% of solar Power=6829/36581=18.67

Total solar Power Generation =6829/50=136.58 (our power substation is of 50 Kva system)

Saving (Assuming Rs 12/unit)=12X6829=81948



# Vidyavardhini's College of Engineering & Technology

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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**

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment.

**This document contains Bills for the purchase of equipment's for  
the facilities created under this metric.**



Registered Office:

**OHMS ENERGY PVT. LTD.** (Formerly known as DK Energy Pvt Ltd)  
 713, The Summit Business Bay, off Andheri - Kurla Road,  
 Andheri (E), Mumbai - 400 069, Maharashtra - India  
 Ph: 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440  
 www.ohmsenergy.com | info@ohmsenergy.com  
**CIN - U 40101 MH 2010 PTC 203982 DT. 10/06/2010**

Ref No.: OEPL/VCET/2017-18/ SPVPP/019

Date: 05.09.2017

To,  
 The Principal,  
 (Dr. A.V. Bhonsale)  
 Vidhyavardhini's College of Engineering & Technology,  
 K T Marg, Vasai Road (W),  
 Dist: Palghar, Maharashtra, Pin- 401 202  
 Email ID: [vcet\\_inbox@vcet.edu.in](mailto:vcet_inbox@vcet.edu.in)  
 Ph No. 0250- 2338234

- Ref: 1) PO No.: VCET/1121/OFFICE/ADMIN/02/17-18 Dated: 22.05.2017 for Turnkey Solar PV Rooftop Installation & Commissioning.  
 2) Letter Ref No. GCRT / 2017/CR-1/ Solar / 3371 Dated: 09.08.2017 In principal Sanction for installation of grid connected rooftop projects in the state of Maharashtra.

**Sub:** Revised tax rates as per applicable GST & Co-ordination for Subsidy of solar project


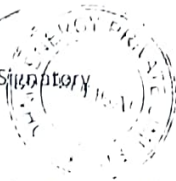
Dear Sir,

This is with reference to your purchase order (No.: VCET/1121/OFFICE/ADMIN/02/17-18 Dated: 22.05.2017) for 50kW Grid connected Solar PV Rooftop system in which the taxes were considered as per the previous applicable taxes i.e. Service tax @15% & VAT/ CST, but now after introduction of GST the applicable tax rates are revised i.e. Taxes on Supply @ 5% & Taxes on Services @18% hence we hereby requesting you to please consider the revised applicable tax rates as per GST in the cost of project & release the payments accordingly.

Aside this with reference to the subsidy of subjected project, we have completed our all documentation work & received the in principal sanction letter (Letter Ref No. GCRT / 2017/CR-1/ Solar / 3371 Dated: 09.08.2017) for the same from Maharashtra Energy Development Agency (MEDA) and now we are also co-ordinating for the further process of joint inspection of plant and subsidy disbursement.

We are hoping for positive response & valuable support from you on the above mentioned subject.  
 Thanking you

For OHMS Energy Pvt. Ltd

  
 Authorised Signatory  


Encl :

In principal sanction letter of Subsidy for Installation of grid connected solar Rooftop project.



**MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)**  
(A Government of Maharashtra Institution)

**:: CIRCULAR ::**

GCRT/CFA/2016-17/01/

24<sup>th</sup> July, 2017

To,

**All empanelled channel partners and open category project developers.**

**Subject: - Regarding timeline extension of grid connected rooftop programme.**

Dear All,

This is with reference to the recent email received from Ministry of New and Renewable Energy, GoI regarding extension of timeline of Grid Connected Rooftop programme.

In this regards, Ministry has extended the timeline of the Grid Connected Rooftop programme for availing the Central Financial Assistance (CFA) of MNRE, GoI till 03<sup>rd</sup> November, 2017.

Thanking You.

Sd/-

General Manager (Cord)



MAHARASHTRA RURAL DEVELOPMENT AGENCY (MEDA)

(A Government of Maharashtra Institution)

GCRT/2017/CR-1/Solar/3371

9<sup>th</sup> August, 2017

To  
M/s. Ohms Energy Pvt. Ltd,  
713, the Summit Business Bay, Behind Guru,  
Nanak Petrol Pump, Near Western Express Highway,  
Andheri Kurla Road, Andheri East, Mumbai 400 069

**Subject: - In-principle sanction for installation of Grid Connected Rooftop Projects in the State of Maharashtra.**

Ref: - 1) MNRE 100MW sanction letter no. 03/106/2015/GCRT dated 26/04/2016  
2) EoI no.GCRT/CFA/2016-17/01

Dear Sir,

In accordance with Ministry of New and Renewable Energy sanction no. 03/106/2015/GCRT dated 26<sup>th</sup> April 2016 on the scheme of 100 MW Grid Connected Rooftop Projects in the state of Maharashtra and with above reference to proposal of **Open Category channel partner**, I am directed to convey the in-principle sanction for capacity of **aggregate 61.5 kWp** to the above mentioned **Open Category channel partner** for installing Grid Connected Rooftop System.

1. The details of the which is given as follows:-

Sr. No.	Name of Beneficiaries	Category of Beneficiary	Capacity Sanction in kWp	Eligible/Sanction CFA (Rs.)*
1	Deo Enclave Co-op. Hsg. Sco. Ltd Deo Enclave Co-op. Hsg. Sco. Ltd. Chitakar Ketkar Marg, Vile Parle (E), Mumbai – 400 057	Residential	11.5	██████████
2	Vidyavardhini's College of Engineering & Technology K T Marg, Vasai (W), Dist: Palghar, Maharashtra Pin- 401202	Institutional	50	██████████
Total :-			61.5	██████████

\*This sanction capacity eligible CFA is of 'tentative in nature' based on the information submitted by M/s. Ohms Energy Pvt. Ltd. Actual sanction capacity of project & eligible CFA will be finalized after Joint inspection of the system and actual work done. Also please note that if net meter is installed before the In-Principle sanction as per utility record, then the In-Principle sanction released by MEDA automatically stands cancelled.



2. The approved time schedule for project completion is as per following table from the date of sanction.

Sr. No.	Capacity Sanction in kWp	Time Duration for completion of project
1	1 to 50	45 Days
2	Above 50 to 100	90 Days
3	Above 100 to 500	120 Days

3. **Open Category channel partner** has to submit the project completion report within time, failing to which the in-principle sanction letter given to this project stands cancelled.
4. **Open Category channel partner** has to follow all the guidelines and technical standards of given in the website for grid connected rooftop solar.
5. **Open Category channel partner** will give undertaking for 5 years CMC of the project.
6. Concerned MEDA Divisional Office will inspect the system after receipt of installation of system by **Open Category channel partner**.
7. MEDA will release the CFA that is Rs.18,300/- per kWp on the basis of L1 rate Rs.61,000/- per kWp (30% of L1 rate) or 30% of the project cost whichever is less.
8. Capacity of inverter must be same as per the capacity of solar power plant. The inverter must be as per IEC standard and system must be installed as per MNRE specifications only.


Sd/-

General Manager (Cord)

CC: - 1) Divisional General Manager

2) Concerned Beneficiaries

Sr. No. 191, Phase - 1, MHADA Commercial Complex, 2nd Floor, Opp. Tridal Nagar, Yerwada, Pune - 411 006.  
Tel. No. : 020-26614393, 26614403, Fax No. : 020-26615031. E-mail : meda@mahaurja.com Web-site : <http://www.mahaurja.com>



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

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Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.

Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet\_inbox@vcet.edu.in • Website : www.vcet.edu.in

Date: 23<sup>rd</sup> November, 2017.

## WORK COMPLETION CERTIFICATE

**Name of Work:** Design, Supply, Engineering, Installation & Commissioning,  
Testing for 50kWp Grid connected Solar Rooftop System at  
Vidhyavardhini's college of Engineering & Technology, Vasai,  
Maharashtra.

**Purchase Order No. & Date:** VCET/1121/OFFICE/ADMIN/02/17-18  
Dated 22.05.2017

**Name of the Supplier:** M/s. OHMS Energy Pvt. Ltd.  
713 – The Summit Business Bay,  
Behind Guru Nanak Petrol Pump, Near Western Express,  
Highway, Andheri Kurla Road, Andheri (East),  
Mumbai 400 069, Maharashtra, India.

**Purchase Order Value:** Rs. 24,93,000/- ( Excluding GST )

**Date of completion of work:** 24.10.2017

**Date of commissioning of work:** 30.10.2017

**Certified that the M/s. OHMS Energy Pvt. Ltd. Have completed the above said work satisfactorily as per the purchase order terms & Condition.**

  
Principal

Registered Office:

OHMS ENERGY PVT. LTD. (Formerly known as DK Energy Pvt Ltd)

713, The Summit Business Bay, off Andheri - Kurla Road,

Andheri (E), Mumbai - 400 069, Maharashtra - India

Ph. 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440

www.ohmsenergy.com | info@ohmsenergy.com

CIN - U 40101 MH 2010 PTC 203982 DT. 10/06/2010

ENERGY

Date: 15.11.2017

To,

M/s. Vidyavardhini College of Engg. & Tech.,  
9, K T Marg, Vasai Road West,  
Mumbai - 401 202,  
Maharashtra.

**Sub:** Submission of "Tax Invoice\_OHMS/Solar/VCET/RA-001" against completed work at premises of M/s. Vidyavardhini College of Engg. & Tech., Vasai (W).

**Ref:** 1. Purchase Order No. -VCET/1121/OFFICE/ADMIN/02/17-18 on dated 22/05/2017.  
2. Tax Invoice - OHMS/Solar/VCET/RA-001

Dear Sir,

With reference to subject matter, we would like to inform your good self that we have executed the works of Design, Supply, Installation, Testing & Commissioning for 50kWp Grid connected Solar Roof Top system at premises of M/s Vidyavardhini College of Engg. & Tech., Vasai (W) against Purchase Order No. VCET/1121/OFFICE/ADMIN/02/17-18 on dated 22/05/2017. (**Refer 1 above**)

In line with the same, kindly note that all the works are successfully installed & Commissioned by us. So, In this regard we feel pleased to submit our "Tax Invoice" against completed work at premises of M/s Vidyavardhini College of Engg. & Tech., Vasai(W). (**Refer 2 above**). Please find below the payment details for the same.

Sr. No.	Total Project Cost	Total Payment Received	Payment Received Date	Remark
1	Rs. 26,50,059.00 (Including GST)	Rs.2,49,300.00	25/05/2017	Advance along with PO.
2		Rs.13,08,825.00	29/08/2017	Payment received against Material Dispatch.
3		Rs.7,85,295.00	28/09/2017	Payment received against Installation.
Total Amount		Rs.23,43,420.00		

*Handwritten signature*

ENERGY

Registered Office:  
OHMS ENERGY PVT. LTD. (Formerly known as DK Energy Pvt Ltd)  
713, The Summit Business Bay, off Andheri - Kurla Road,  
Andheri (E), Mumbai - 400 069, Maharashtra - India  
Ph: 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440  
www.ohmsenergy.com | info@ohmsenergy.com  
CIN - U 40101 MH 2010 PTC 203982 DT. 10/06/2010

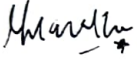
- \* Total Project Cost = Rs. 26,50,059.00 (Including GST)
- \* Total Payment Received till date = Rs. 23,43,420.00
- \* Balance Payment to be receive = Rs. 03,06,639.00

In view of the above, we request you to arrange for early processing & realization of balance payment at the earliest possible.

This is for your information, records & necessary action please.

Yours Sincerely,

For OHMS Energy Pvt. Ltd.



Authorized Signatory



Enclosure: 1) Tax Invoice.



### TAX INVOICE

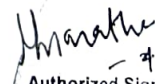
<b>Name &amp; Address of Customer:</b> M/s. Vidyavardhini 'S College Of Engineering & Technology 9 , K T Marg ,Vasai Road West , Mumbai - 401 202	<b>Invoice NO :</b> OHMS/Solar/VCET/RA-001 <b>Date</b> 05-08-2017 <b>PO No &amp; Date:-</b> VCET/1121/OFFICE/ADMIN/02/17-18 dated 22.05.17 <b>GSTIN</b> 27AADCD4903H1ZU
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S.No.	Description	HSN/SAC	Qty.	Rate	Unit	Amount
1	50 KWp On Grid Solar PV System	85	1	22,43,700.00	Nos.	22,43,700.00
2	Survey ,Transportation, Installation and Commissioning	85	1	2,49,300.00	Nos.	2,49,300.00
<b>Total Amount</b>						<b>24,93,000.00</b>
CGST 2.5%						56,092.50
SGST 2.5%						56,092.50
CGST 9%						22,437.00
SGST 9%						22,437.00
<b>Grand Total</b>						<b>26,50,059.00</b>

**In Words: Twenty Six Lacs Fifty Thousand Fifty Nine Only**

HSN/SAC	Taxable Value	Central Tax		State Tax	
		Rate	Value	Rate	Value
85	22,43,700.00	2.5%	56,092.50	2.5%	56,092.50
<b>Total</b>			<b>56,092.50</b>		<b>56,092.50</b>
HSN/SAC	Taxable Value	Central Tax		State Tax	
		Rate	Value	Rate	Value
	2,49,300.00	9.0%	22,437.00	9.0%	22,437.00
<b>Total</b>			<b>22,437.00</b>		<b>22,437.00</b>

<b>Bank A/c Details</b>	
<b>Name</b>	OHMS ENERGY PVT LTD
<b>Full Name of the Bank</b>	Corporation Bank & Vile Parle (East) Mumbai -400057
<b>Branch Name</b>	Vile Parle (East) Mumbai -400057
<b>Account No</b>	510101002065151
<b>IFSC Code</b>	CORP0000495

For OHMS Energy Pvt. Ltd.  
  
**Authorized Signatory**

ENERGY

Registered Office:  
OHMS ENERGY PVT. LTD. (Formerly known as DK Energy Pvt Ltd)  
713, The Summit Business Bay, off Andheri - Kurla Road,  
Andheri (E), Mumbai - 400 069. Maharashtra - India  
Ph: 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440  
www.ohmsenergy.com | info@ohmsenergy.com  
CIN - U 40101 MH 2010 PTC 203982 DT. 10/06/2010

Date: 14/11/2017

To,

M/s Vidyavardhini College of Engg. & Tech.,  
K.T. Marg,  
Vasai Road (W), Vasai,  
Maharashtra – 401 202.

**Sub** : Request letter for Providing “Work Completion Certificate” in view of 50kWp Solar Rooftop System at premises of Vidyavardhini College of Engg. & Tech., Vasai(W).

**Ref** : PO NO. : VCET/1121/OFFICE/ADMIN/02/17-18 dated 22.05.2017

Respected Sir,

With reference to subject matter & reference mentioned above, we would like to inform your good self that we have successfully completed the Installation, Commissioning & Testing work for **50kWp Grid connected Solar Rooftop System** at premises of Vidhyavardhini college of Engineering & Technology, Vasai, (W). [Consumer No -001849021636]. However, some site O&M work is pending from our side & we assure you that we will complete same & handover the plant at earliest possible.

In view of the above, we hereby request you to kindly provide us the “Work Completion Certificate” against the completed work for 50kWp Solar Rooftop System; as we require the same to show our Work Experience & in participation in Government Tenders.

Thanking You.

With Regards,

  
Authorized Signatory  
M/s OHMS Energy Pvt. Ltd.





Registered Office:  
OHMS ENERGY PVT. LTD. (Formerly known as DK Energy Pvt Ltd)  
713, The Summit Business Bay, off Andheri - Kurla Road,  
Andheri (E), Mumbai - 400 069 Maharashtra - India  
Ph: 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440  
www.ohmsenergy.com | info@ohmsenergy.com  
CIN - U 40101 MH 2010 PTC 203982 DT. 10/06/2010

Date: 19.08.2017

To,

M/S Vidyavardhini College of Engg. & Tech.  
9, K T Marg, Vasai Road West,  
Mumbai - 401 202, Maharashtra.

Sub: Submission of "30% Proforma Invoice\_OHMS/PI/Mumbai/006" against work at site M/S Vidyavardhini College of Engg. & Tech., Vasai (W).

Ref: 1. Purchase Order No. -VCET/1121/OFFICE/ADMIN/02/17-18 on dated 22/05/2017.  
2. PI NO. OHMS/PI/Mumbai/006

Sir,

We had successfully initiated the execution work at premises of M/S Vidyavardhini College of Engg. & Tech, Vasai(W). In line with the same, the corresponding material required for Solar System Installation had reached at site. The Installation work of Solar System is in progress & it is expected to complete on dated 21.08.2017.

In this regard, we feel pleased to submit our "30% Proforma Invoice" as per **clause No. 11) c. of Purchase Order No. VCET/1121/OFFICE/ADMIN/02/17-18 dated 22.05.2017** against work of Design, Supply, Engineering, installation & Commissioning, Testing for 50kWp Solar Roof Top system at premises of M/S Vidyavardhini College of Engg. & Tech., Vasai(W).

Kindly arrange for early processing of Proforma Invoice for release of payment at the earliest possible

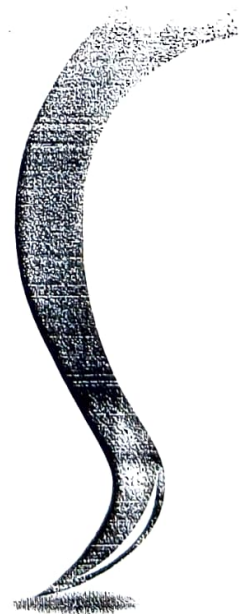
Thanks & Regards,

For M/S OHMS Energy Pvt. Ltd.

Authorized Signatory



Enclosure: 1) 30% Proforma Invoice.





Registered Office:  
OHMS ENERGY PVT. LTD. (Formerly known as DK Energy Pvt Ltd)  
713, The Summit Business Bay, off Andheri - Kurla Road,  
Andheri (E), Mumbai - 400 069. Maharashtra - India  
Ph: 91 22 49450450 | 91 22 49450400 | Fax: 91 22 49450440  
www.ohmsenergy.com | info@ohmsenergy.com  
CIN - U 40101 MH 2010 PTC 203982.DT. 10/06/2010

### PROFORMA INVOICE

<b>Name &amp; Address of Customer:</b> M/s Vidyavardhini 'S College Of Engineering & Technology 9 , K T Marg ,Vasai Road West , Mumbai - 401 202.		<b>PI NO :</b> OHMS/PI/Mumbai/006
		<b>Date</b> 19/08/2017
		<b>PO No &amp; Date:-</b> VCET/1121/OFFICE/ADMIN/02/17-18 dated 22.05.2017
		<b>GSTIN</b> 27AADCD4903H1ZU

S.No.	Description	HSN/SAC	Qty	Rate	Unit	Amount
1	50KW Kwp On Grid Solar PV System M/s Vidyavardhini 'S College Of Engineering & Technology 30% Advance	85	1	747,900.00	Nos	747,900.00
	CGST 2.5%					18,697.50
	SGST 2.5%					18,697.50
	<b>Total Amount</b>					<b>785,295.00</b>

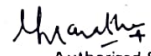
In Words: Seven Lacs Eighty Five Thousand Two Hundred Ninety Five Only

HSN/SAC	Taxable Value	Central Tax		State Tax	
		Rate	Value	Rate	Value
85	785,295.00	2.5%	18,697.50	2.5%	18,697.50
<b>Total</b>			<b>18,697.50</b>		<b>18,697.50</b>

#### Bank A/c Details

Name: OHMS ENERGY PVT LTD  
Full Name of the Bank: Corporation Bank & Vile Parle (East)  
Bank: Mumbai -400057  
Branch Name: Vile Parle (East) Mumbai -400057  
Account No: 510101002065151  
Code: CORP0000495

For OHMS Energy Pvt. Ltd.

  
Authorized Signatory







# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

( Approved by AICTE and affiliated to the University of Mumbai )

Four Branches Accredited by National Board of Accreditation (NBA), New Delhi

**K. T. Marg, Vasai Road (W.) Dist - Palghar, Maharashtra, Pin 401 202.**

Phone 0250 - 2338234, (6 lines) ● Fax : 0250 - 2339486 ● Website www.vcet.edu.in ● Email vcet\_inbox@vcet.edu.in

## PURCHASE ORDER

PO No: VCET/1121/OFFICE/ADMIN/02/17-18

Date: 22.05.2017

To,  
Mr. Amit Desai  
Manager(Business Development),  
OHMS Energy Pvt. Ltd.  
713-The Summit Business Bay,  
Near Western Express Highway,  
Andheri(East), Mumbai-400 099  
VAT No.: 27490794448V  
Service Tax No.: AADCD4903HSD001

Kind Attention: Mr. Amit Desai

Sub: Purchase order for 50 KW Grid Connected Solar PV Rooftop System at Vidyavardhini's College of Engineering & Technology, Vasai Road (W), Dist. Palghar-401202

Ref: Techno-Commercial Proposal – Vidyavardhini's College Vasai

Ref QTN Date: 19-05-2017

Dear Madam/Sir,

With reference to your quotation (Techno-Commercial Proposal – Vidyavardhini's College\_19\_05\_2017), as submitted on 19th May, 2017 and further discussions in presence of the management, we hereby release Purchase Order for Turnkey Solar PV Rooftop Installation & Commissioning of below mentioned systems at the roof of our Vidyavardhini's College in Vasai as per the terms and conditions mentioned below:

Sr. No	Parameter	Description
1.	50 kWp On Grid Solar PV System	INR 22,43,700/-
2.	Survey, Transportation, Installation and Commissioning	INR 2,49,300 plus 15% Service Tax
Total Project Cost		INR 24,93,000 /-
3.	Operation & Maintenance (C)	3 Years (Post 3 Years -Optional)

In words: Rs. Twenty four lakhs ninety three thousand Only

Page 1 of 2

Received by  
23/05/2017



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

( Approved by AICTE and affiliated to the University of Mumbai )

Four Branches Accredited by National Board of Accreditation (NBA), New Delhi

**K. T. Marg, Vasai Road (W.) Dist - Palghar, Maharashtra, Pin 401 202.**

Phone 0250 - 2338234, (6 lines) ● Fax: 0250 - 2339486 ● Website www.vcet.edu.in ● Email vcet\_inbox@vcet.edu.in

Kindly acknowledge the receipt of this PO and return the duplicate copy of the same, duly signed and stamped in this all pages as a token of your acceptance.

Terms and Conditions:

- 1) 15% Service tax on I&C applicable as mentioned above.
- 2) Inclusive of all Taxes on Supply including CST, Entry tax, Octroi and VAT.
- 3) Inclusive of Net Meter, Net Metering Application and Approval costs from DISCOM.
- 4) Process of realization of Subsidy registration and application & Coordination will be taken care by OHMS Energy Pvt.Ltd.
- 5) Warranty terms for Solar Panel:
  - o Manufacturing Defect Warranty: 10 Years
  - o Power Output Warranty:
    - 95% Output Warranty for 10 Years
    - 90% Output Warranty for 20 Years
    - 80% Output Warranty for 25 Years
- 6) Solar Panels Make: Canadian Solar; Inverter Make: Delta/ABB Inverter
- 7) Warranty on Inverter: 5 Years
- 8) Freight and Insurance included in the offer.
- 9) Custom duty Nil for Solar Products.
- 10) Installation, Commissioning and Handing over the project in a span of 3 months from the date of Purchase Order .
- 11) Payment Terms
  - a. 10% of offered price as an advance along with PO
  - b. 50% on confirmation on material received on site.
  - c. 30% on completion of installation.
  - d. 10% on commissioning and handing over the project.

Thanking you & inspiring your co-operation

With Regards,

Dr. A.V. Bhonsale (The Principal)  
Vidyavardhini's college of Engineering, Vasai

Approved By

Secretary

# Maharashtra State Electricity Distribution Co. Ltd.


**BILL OF SUPPLY FOR THE MONTH OF OCT-2023**

202310254027166

GSTIN:27AAECM2933K1ZB

Website:www.mahadiscom.in

HSN CODE:27160000

VASAI CIRCLE - 540 VASAI O&amp;M DN - 434 VASAI RD WEST S/DN - 697

1

<b>Consumer No. :</b> 001849021636	<b>BILL DATE</b> 03/11/2023	<b>9,37,280.00</b>
<b>Consumer Name :</b> M/S VIDYAVARDHINI COLLEGE OF ENGG & TECH	<b>DUE DATE</b> 17/11/2023	
<b>Address :</b> VASAI ROAD NAVGHAR TAL VASAI	<b>IF PAID UPTO</b> 09/11/2023	<b>9,29,660.00</b>
	<b>IF PAID AFTER</b> 17/11/2023	<b>9,49,000.00</b>
<b>Village:</b> VASAU <b>Pin Code :</b> 401202	<b>Last Receipt No./Date :</b> 0009434483 / 09-10-2023	
<b>Email :</b> ***t_inbox@vcet.edu.in	<b>Last Month Payment :</b> 8,13,160.00	
<b>Mobile No. :</b> 98****16 <b>Meter No. :</b> 055-X0364386 <b>Seasonal :</b> <b>Load Shed Ind :</b> INDUST	<b>Scale / Sector :</b> Small Scale /	
<b>Sanctioned Load (KW):</b> 1000 <b>Connected Load (KW) :</b> 1000.00 <b>Urban/Rural :</b> Urban <b>Express Feeder :</b> No		
<b>Contract Demand (KVA) :</b> 525.00 <b>70% of Con. Demand (KVA) :</b> 367.50 <b>Feeder Voltage (KV) :</b> 22 <b>LIS Indicator :</b>		
<b>Tariff :</b> 170 HT-VIII B <b>old trf HT-VIII B</b>		

<b>Date of Connection :</b> 10/06/1998	<b>Category :</b> PUBL. SERVICES OTH	<b>GSTIN :</b>	
<b>Supply at :</b> HT	<b>Elec. Duty :</b> 06 PART B	<b>PAN :</b> AAATV2687C	
<b>Prev. Highest (Mth) :</b> SEP	<b>Prev. Highest Bill Demand (KVA) :</b> 265		
<b>S.D. Held Rs. :</b> 9,40,397.50	<b>Addl. S.D. Demanded Rs. :</b> 0.00	<b>MIDC Zone:</b> OTHER	
<b>Bank Guarantee Rs. :</b> 0	<b>S.D. Arrears Rs. :</b> 0.00		
<b>BILLING HISTORY</b>			
<b>Bill Month</b>	<b>Units</b>	<b>Bill Demand(KVA)</b>	<b>Bill Amount</b>
SEP-23	44,182	368	8,39,261
AUG-23	36,713	368	7,24,580
JUL-23	24,875	368	5,60,829
JUN-23	22,888	368	5,33,410
MAY-23	28,162	368	6,05,736
APR-23	31,079	368	6,52,689
MAR-23	32,352	341	6,39,887
FEB-23	26,256	341	5,53,523
JAN-23	18,842	341	4,48,218
DEC-22	20,579	341	4,74,146
NOV-22	22,091	341	4,95,862
OCT-22	23,140	341	5,10,082
<b>CUSTOMER CARE Toll Free No.</b> <b>1912, 1800-233-3435, 1800-212-3435</b>			
<b>Rule &amp; Procedure for Consumer Grievances Redressal is available at</b> <b>www.mahadiscom.in -&gt; consumer portal -&gt; CGRF</b>			
For making Energy Bill payment through RTGS/NEFT mode, use following details o Beneficiary Name: MSEDCL o Beneficiary Account Number: <b>MSEDHT01001849021636</b> o IFS Code: <b>SBIN0008965</b> (fifth,sixth and seventh character is zero) o Name of Bank: SBI Bank o Name of Branch: IFB, BKC Branch-MSEDCL			<b>Follow us on :</b> 
Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.			

- **Tariff Revised w.e.f. 01.04.2023. Tariff Order is available at Mahavitaran Portal.**
- **Physical Bills are not served. You can view and pay bill online at portal <https://wss.mahadiscom.in/wss/wss>**
- **Consumer can pay bill through portal using various online modes.**
- **As per Income Tax provision vide section 269 ST cash receipt of Rs. 2.00 lakhs and above will not be accepted by MSEDCL against any type of payment.**
- **As per MERC order dt. 24/02/2021, monthly energy bill payment in cash is limited Rs.5000/- w.e.f. 01/11/2021.**
- **As per GoM Notification dtd. 14.08.2020, rate of Electricity Duty for Part-F Industrial is revised from 9.3% to 7.5% from billing month Aug-20**
- **Activity: CHARITABLE EDUCATION INSTITUTION REGISTERED UNDER PUBLIC TRUST ACT 1950**

**Important Message :**

- Consumers can pay online using Net Banking, Credit/Debit cards at <https://wss.mahadiscom.in/wss/wss> after registration.
- Submit / update your E-mail id and mobile number to Circle office for receiving prompt alerts through SMS.
- Submit / update your PAN and GSTIN to circle office with copies of PAN and GSTIN for verification.
- Special desk is operational for HT Consumers, please contact : htconsumer@mahadiscom.in for any clarification / query or grievance.
- This Electricity Bill should not be used for the address proof and as a proof of property ownership.
- For any payment to MSEDCL , ENSURE & INSIST for computerized receipt with unique system generated receipt number. Do not accept hand written receipt. Pay online to avoid any inconvenience.

## CURRENT CONSUMPTION DETAILS

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current 31/10/2023	100720.000		29807.000	14264.000	50.320	50.480
Previous 30/09/2023	93376.000		29607.500	9435.000		
Difference	7344.000		199.500	4829.000		
Multiplying Factor	6.000		6.000	6.000	6.000	6.000
Consumption	44064.000		1197.000	28974.000	301.920	302.880
L.T. Metering	0.000		0.000	0.000	0.000	0.000
Adjustment-Solar	-225.000		0.000	0.000	0.000	0.000
Assessed Consumption	0.000		0.000	0.000	0.000	0.000
Total Consumption	43839.000	53138.000	1197.000	28974.000	302.000	303.000

## BILLING DETAILS

Amount in Rs.

Billed Demand (KVA)	368	@ Rs.	499.00	Demand Charges	1,83,632.00		
Assessed P.F.		Avg. P.F.	0.825	Wheeling Charge @ 0.60 Rs/U	31,882.80		
Billed P.F.	0.825	L.F.	14	Energy Charges	5,52,635.20		
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	8,411.70		
Public Services	53,138	10.40	5,52,635.20	FAC @ 25.00 Ps./U	13,284.50		
Residential	0	6.95	0.00	Electricity Duty	1,65,867.70		
Commercial	0	12.83	0.00	Bulk Consumption Rebate	0.00		
E.D. on (Rs.)	Rate %	Amount Rs.		Tax on Sale @ 19.04 Ps./U	8,346.95		
0.00	0.00	0.00		Incremental Consumption Rebate \$\$	- 27,600.00		
0.00	16.00	0.00			0.00		
7,89,846.20	21.00	1,65,867.70		Charges For Excess Demand	0.00		
TOD Zone	Rate	Units	Demand	Charges Rs.	Tax Collection at Source	819.13	
00:00 Hrs-06:00 Hrs & 22:00 Hrs-24:00 Hrs	-1.50	5,022	83.00	-7533.00	Debit Bill Adjustment	0.00	
06:00Hrs-09:00Hrs & 12:00Hrs-18:00Hrs	0.00	29,411	303.00	0.00			
09:00 Hrs-12:00 Hrs	0.80	15,436	302.00	12348.80			
18:00 Hrs-22:00 Hrs	1.10	3,269	92.00	3595.90			
Amount In Words	NINE LAKH THIRTY -SEVEN THOUSAND TWO HUNDRED EIGHTY ONLY					TOTAL CURRENT BILL	9,37,279.98
						Current Interest 31/10/2023	0.00
						Principal Arrears	- 0.92
						Interest Arrears	0.00
						Total Bill Amount (Rounded) Rs.	9,37,280.00
						Delay Payment Charges Rs.	11,716.00
Amount Payable After 17/11/2023 (Amount Rounded to Nearest Rs. 10/-)					9,49,000		

Signature Not Verified

Digitally signed by DS MAHARASHTRA STATE  
ELECTRICITY DISTRIBUTION COMPANY LTD 3  
Date: 2023.11.02 18:32:57 IST  
Location: Mumbai

## CONDITIONS

- The total bill amount of the bill may be remitted by a Crossed Demand Draft/Cheque drawn in favor of "Maharashtra State Electricity Distribution Co. Ltd." Whenever Security Deposit is demanded separate Cheque/Bank Draft should be sent.
- The current bill is payable within fifteen days from the date of issue of the bill. Even if there is any discrepancy in the bill or any other clarification needed, consumers are requested to pay the billed amount in full provisionally or under protest subject to review and subsequent adjustment, so that payment of delayed payment charges is avoided.
- This bill is issued subject to the provision of the "Conditions and Miscellaneous charges for supply of Electrical Energy" of the MSEDCL.
- Please quote the Consumer Number on the back of the Cheque. The payment of this bill should be made at Company's office only.
- If the cheque is sent by post, the same should be posted three clear days in advance of the due date.
- In case of payment made through RTGS/NEFT/Cheque/DD/Pay Order, the date of amount credited to MSEDCL's account will be treated as receipt date.

Collection Hours : 10-30 to 16-00 Hours ( Except on Bank Holidays, Sundays, 2nd and 4th Saturdays)

**\$\$ Incremental Consumption Rebate if paid on or before 09-NOV-23 : Rs. 27600.00 / after 09-NOV-23 Rs. 27600.00 on units 36800. Ref consumption : 13479**

**Total Solar Generation Units : 6408;Rooftop Solar Units Export : 225, Import : 44064, Adjusted : 225, Bank : 0;Rooftop Solar (NetMetering) Capacity : 50 KW; Rooftop Solar installation Month : Mar-17;**

**\*\*\*\* PROMPT DISCOUNT Rs. 7622 IF PAID ON OR BEFORE 09-NOV-23**

### Export / Generation Meter Readings

Meter Type	Current Reading		MF	Consumption	SLOTWISE UNITS		
	Previous Reading	Difference		Adjustment	Slot 1	Slot 3	
Meter Serial Number				Total Consumption	Slot 2	Slot 4	
<b>TOD EXPORT METER</b>	31/10/23	1667.50	6.00	225.00			
	30/09/23	1630.00		0.00	0.00	84.00	
	555-X0364386	37.50		225	141.00	0.00	
<hr/>							
<b>TOD SOLAR GENERATION METER</b>	31/10/23	122822.20	1.00	6408.00			
	30/09/23	116414.60		0.00	12.00	2286.00	
	055-X1337280	6407.60		6408	4102.00	8.00	

<b>Adjustment Details</b>		
<b>Adjustment Type</b>	<b>Debit Amount (incl in Bill)</b>	<b>Credit Amount (incl in Arrears)</b>
PROMPT PAYMENT DISCOUNT	0.00	6,685.00
Incremental Consumption Rebate	0.00	19,419.75

### TCS Details

Bill Date	Amount for TCS	TCS Rate	TCS Amount
05-Oct-23	8,19,133.00	0.1%	819.13

Section 206C(1H) of the Income-tax Act, 1961 mandates MahaVitaran to collect tax at source ["TCS"] from its consumers at the rate of 0.1%\* as and when the aggregate energy bill of a consumer\*\* exceeds INR 50 lakhs in a financial year (i.e. the year starting from April and ending in March). Thus at any point in time, during a financial year if the aggregate energy bill of a consumer exceeds INR 50 lakhs then the consumer will be additionally required to pay TCS @ 0.1%\* on the sales consideration. In case of incomplete/adhoc payments to MahaVitaran, MahaVitaran will adjust the payment(s) in a manner whereby the amount proportionate to the required TCS will be first adjusted and the balance will be considered as outstanding electricity charges to which the provisions of section 56 of the Electricity Act, 2003 - relating to disconnection of supply in default of payment will apply.

For the financial year 01 April 2020 to 31 March 2021 the aggregate limit of INR 50 lakhs will be considered in respect of energy bills raised on and after 01 April 2020 onwards.

\* 0.075% if the amount is paid or credited during the period 14 May 2020 to 31 March 2021 in terms of the Press Release dated 13 May 2020 issued by the Central Board of Direct Taxes.

\*\* consumer - For the purpose of TCS, a consumer would mean an entity holding a valid Permanent Account Number ["PAN"]. In case a consumer holds various consumer ids/consumer numbers spread across the state of Maharashtra for the purpose of section 206C(1H) of the Income-tax Act, 1961 all the consumer ids/consumer numbers will be treated as one consumer based on its PAN.

\*\*\*if a consumer does not hold a valid PAN the rate of TCS will be applicable @ 1%



## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Bills for the purchase of equipment's for the  
facilities created under this metric for**

**Water Conservation**



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

Additional Information:

Sr. No.	Description of Particular	Units of Measurements
1	Total Roof Top Area and Surface Area (Appx.)	1390 square meter m <sup>2</sup>
2	Average Rainfall in Vasai Region	2,000 – 2,500 millimeters (mm)
3	Total volume of rainwater harvested	2783 Cubic Meter (m <sup>3</sup> )



  
**PRINCIPAL**  
 VIDYAVARDHINI'S COLLEGE  
 OF  
 ENGINEERING & TECHNOLOGY  
 VASAI ROAD-401 202.



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. VARTAK

( Approved by AICTE and affiliated to the University of Mumbai )

Four Branches Accredited by National Board of Accreditation (NBA), New Delhi

K. T. Marg, Vasai Road (W.) Dist - Thane, Maharashtra, Pin 401 202.

Phone : 0250 , 2338234 (6 Lines) • Fax : 0250 - 2339486 • Website : www.vcet.edu.in • Email : vcet\_inbox@vcet.edu.in

Work order No. 37 .

Date:- 21/03/2013

PLEASE SUBMIT A PHOTO COPY OF YOUR PAN CARD.

M/s. BLUE GOLD RAINWATER  
HARVESTING.  
8/6,ADITYA APTS.,  
DR. S. RADHAKRISHNA ROAD,  
ANDHERI(E), MUMBAI – 400069.  
MOBILE:- 9869467765

### Sub.-: Work order for RAINWATER HARVESTING.

This is to inform you that your quotation for RAINWATER HARVESTING WORK has been accepted for an amount of ₹ 1,10,000/- (Rs. One Lakhs Ten Thousand Only) The work will be done as per given specifications and as discussed.

#### Description

01. Ring well cement cover, collection Chamber-cement cover, FF Valve 2 nos. Valve chamber-with cement cover, Filter chamber with filter bed-cement cover, Channelising PVC pipes etc.  
Cost Inclusive of VAT 5%

₹ 1,10,000/-

#### Terms and conditions:-

- 1) Labour and Material charges included.
- 2) All taxes and duties included.
- 3) Payment 100% after satisfactory completion of work.
- 4) Design of the above work will be provided by Dr. Amar N. Joshi of M/s. Water Resources & Environmental Consultants and you have to adhere to the requirements of the design.

*Praval*  
Accepted



*Principal*  
Principal  
*Praval*  
**PRINCIPAL**  
VIDYAVARDHINI'S COLLEGE  
OF  
ENGINEERING & TECHNOLOGY  
VASAI ROAD-401 202.

VIDYAVARDHINI COLLEGE OF ENGG AND TECH - (From 1-Apr-2015)

State Name : Maharashtra, Code : 27

Payment Voucher

236

No. : 211

Dated : 15-Jun-2022

Particulars	Amount
Account : MAINTENANCE	2,500.00
Through : UNION BANK OF INDIA 1031	
On Account of : CH. NO. : 163816, PAIDTO M/S. SHREE SAI FABRICATION AGAINST BILL NO. 134, DTD. 10/06/2022 FOR RAILING WORK AT GROUND FLOOR.	
Amount (in words) : Indian Rupees Two Thousand Five Hundred Only	
	₹ 2,500.00

Receiver's Signature:

Authorised Signatory

*Handwritten Signature*

## **Institutional Values and Social Responsibilities**

### **7.1.2**

**Bills for the purchase of equipment's for the facilities created under this metric for**

**Disabled-friendly, barrier free environment.**

Mob.: 8796914265

# SHREE SAI FABRICATORS

Grill, Shutter, Compound Gate, Design Gate, Shades & All Types of Fabrication Works Done.  
Plumbing & Electrical Works

At. Post Nirmal, Nirmal-Kalamb Road, Tal. Vasai, Dist. Thane - 401304.

Bill No. 134 Date: 08/06/2022  
M/s Vidyanardhini Vartale College

No.	Description	Qty.	Rate	AMOUNT	
				Rs.	P.
①	5 feet Hand Railing fitting work		500 per feet		
Total - 2500/- only					
				Total	
				Advance	
				Balance	

For SHREE SAI FABRICATION

*[Signature]*  
Proprietor

E & O. E.

Railing work @ ground floor

496

## Payment Voucher

No. : 464

Dated : 22-Aug-2022

Particulars	Amount
Account : MAINTENANCE	16,000.00

Through :

UNION BANK OF INDIA 1031

On Account of :

CH. NO. : 164042, PAID TO M/S. SHREE SAI FABRICATORS  
AGAINST BILL NO. 154, DTD. 18/08/2022 FOR STEEL RAILING FOR  
PHYSICAL HANDICAP STUDENTS.

Amount (in words) :

Indian Rupees Sixteen Thousand Only

₹ 16,000.00



Receiver's Signature:

Asokh  
Authorised Signatory

Mob 8796914265

# SHREE SAI FABRICATORS

Grill, Shutter, Compound Gate, Design Gate, Shades & All Types of Fabrication Works Done.  
Plumbing & Electrical Works

At Post Nirmal, Nirmal-Kalamb Road, Tal. Vasai, Dist. Thane - 401304

Bill No.

154

Vashtak College

Date

18/8/22

M/s

No	Description	Qty	Rate	AMOUNT Rs P
1)	2" pipe Handrailing	48 feet		
	Per Running foot Rate.		380	
	$48 \times 380 =$			18240
	Discount		- 2240	
	<u>Total</u>		= 16000	
	Total		16000	
	Advance			
	Balance			

For SHREE SAI FABRICATION

*Shresh*

Proprietor

E & O. E.

Steel Railing for physical Handicap students



201

Payment Voucher

Dated : 6-Jun-2022

No. : 178

Particulars	Amount
Account : MAINTENANCE	8,000.00
Through : UNION BANK OF INDIA 1031	
On Account of : CH. NO. : 163759, PAID TO M/S. SHREE SAI FABRICATOR M.S. & S. S AGAINST BILL DTD. 06/06/2022 FOR RAILING STAND ON GROUND FLOOR FOR PHYSICALLY HANDICAP STUDENTS.	
Amount (in words) : Indian Rupees Eight Thousand Only	
	₹ 8,000.00

Authorized Signatory  
*Kudhar*

Receiver's Signature:

# SHREE SAI

## Fabricator M.S & S.S

GRILL & RELLING/ KITCHEN TROLLY  
Grills, Shutter, Compound Gate, Shades and  
all Types of Fabrication works done.Plumbing & Electrical works

Station of railing work

Date: 06/06/2022


Hand railing work.

15 feet railing hand railing.

2" round pipe stainless steel

with fitting total: cost: 8000/-.

Railing on ground floor  
for physically handicapped  
students

  
06/06/22



TO  
Registrar  
Approved.

  
6/6/22



Payment Voucher

220

No. : 202

Dated : 17-May-2017

Particulars	Amount
Account : Furniture and Fixtures & Fittings	4,710.00

Through :

UNION BANK OF INDIA 1031

On Account of :

CH. NO. : 075569, PAID TO M/S. MAHAVIR DECOR AGAINST BILL NO. 379, DT. 03/05/2017 FOR PURCHASE OF CHAIR.

Amount (in words) :

Indian Rupees Four Thousand Seven Hundred Ten Only

₹ 4,710.00

Receiver's Signature:

*[Signature]*

*[Signature]*  
Authorised Signatory

*[Signature]*

**TAX INVOICE**

info@mahavirdecor.com | www.mahavirdecor.com

M/s. Vidya Vardhini's College  
of Engineering.  
Vasai.



Challan No.: \_\_\_\_\_ Date: \_\_\_\_\_  
No.: **379** Date: 31/5/17

Specialist in :  
**Wall Papers, Carpets & Blinds**

1, Adinath Apt., Opp. Gurudwara, Ambadi Road,  
Vasai Road (W) - 401 202. Tel. 0250-2337266 (M) 9881742588/98

S.No.	Quantity	Description	Rate	Amount	
				Rs.	Ps.
1)	1000	Chaw	4150/-	4150	00
			<b>Total</b>	<b>4150</b>	<b>00</b>
Rupees in words: <u>Four thousand seven hundred ten only</u>			<b>VAT 13.5%</b>	<b>560</b>	<b>00</b>
			<b>G. Total</b>	<b>4710</b>	<b>00</b>

Amount - ₹ 4710/-  
Paid by Cheque No. 075569  
Dt. 17 / 05 / 2017

*As per old rates*

*Recd. Bora 16/05/17*

*[Signature]*

VAT TIN No. 27390258481V w.e.f. 01-04-2006  
CST TIN No. 27390258481C w.e.f. 01-04-2006

- Goods once sold will not be taken back.
- Subject to Vasai Jurisdiction.
- Payment should be made within 15 days otherwise interest @ 24% p.a. will be charged

"We hereby certify that my/our Registration Certificate under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sale of the goods specified in this tax invoice is made by me/us and that the transaction of sale covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any payable on the sales has been paid or shall be paid."

E. & O. E.  
For **MAHAVIR DECOR**  
*[Signature]*  
Authorised Signatory

Vankudre  
Harish  
Vasant

Digitally signed by Vankudre Harish Vasant  
DN: cn=H, o=Personal, ou=1548,  
email=vant1324761107@43861F4cmhpg  
n72WYS,  
c=IN, ou=0881d6cd7556a3d629a3385aee50  
ad21b09766e462210fac1b78cb3922,  
postalCode=411004, st=Maharashtra,  
serialNumber=19833F13000553428e190a52b3  
0862c38c0898b16e0b43ba2247a27071da3,  
cn=Vankudre Harish Vasant  
Date: 2024.03.05 15:35:40 +05'30'

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