



## **7.1.2 Environmental Consciousness and Sustainability and Divyangjan friendly initiatives**

**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**





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University of Mumbai

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Pages 01 to 30 endorsed by the principal



  
PRINCIPAL  
VIVA INSTITUTE OF TECHNOLOGY





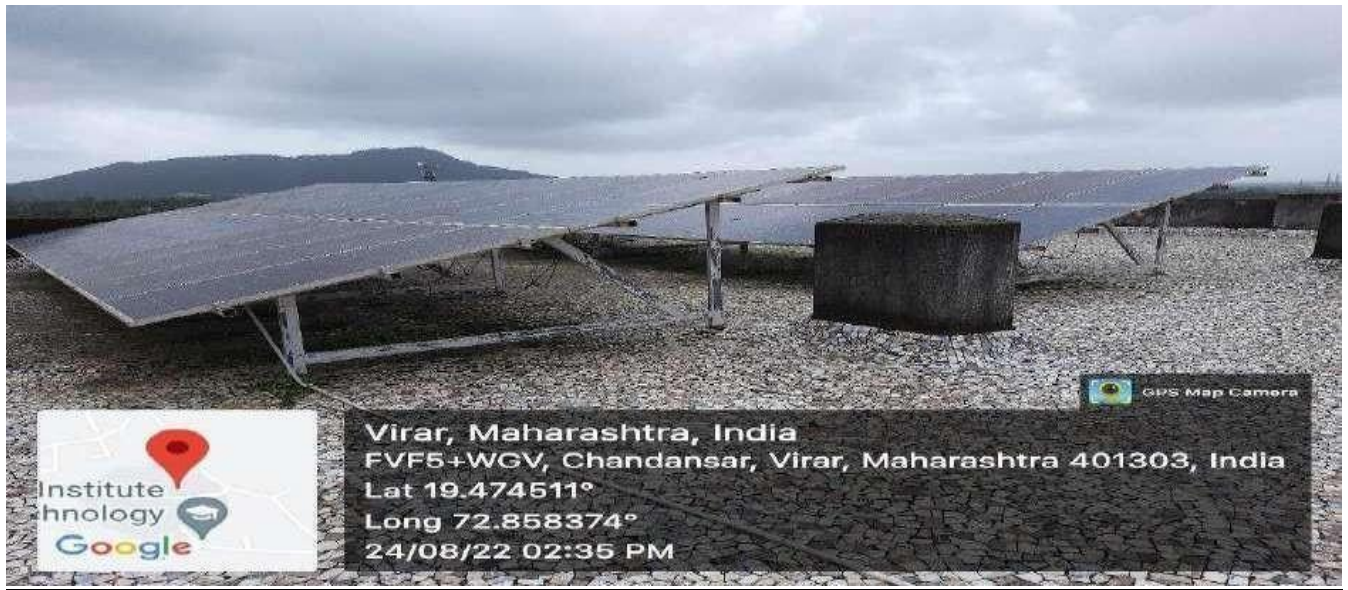
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**Alternate Sources of Energy and Energy Conservation measures**

**Alternate Source of Energy**

As an alternate source of energy in our Institute we make use of solar energy to run our computer labs. We have solar panel setup on the Civil- Mechanical building which is used to run Civil and Mechanical Computer labs. The other solar panel setup is on the MCA building which is used to run two MCA Computer labs



**Solar Panel setup over Civil- Mechanical Building**

We make use of LED tube lights as main source of energy due to which we save in power consumption



**Solar Panel setup over MCA Building LED Tube light**





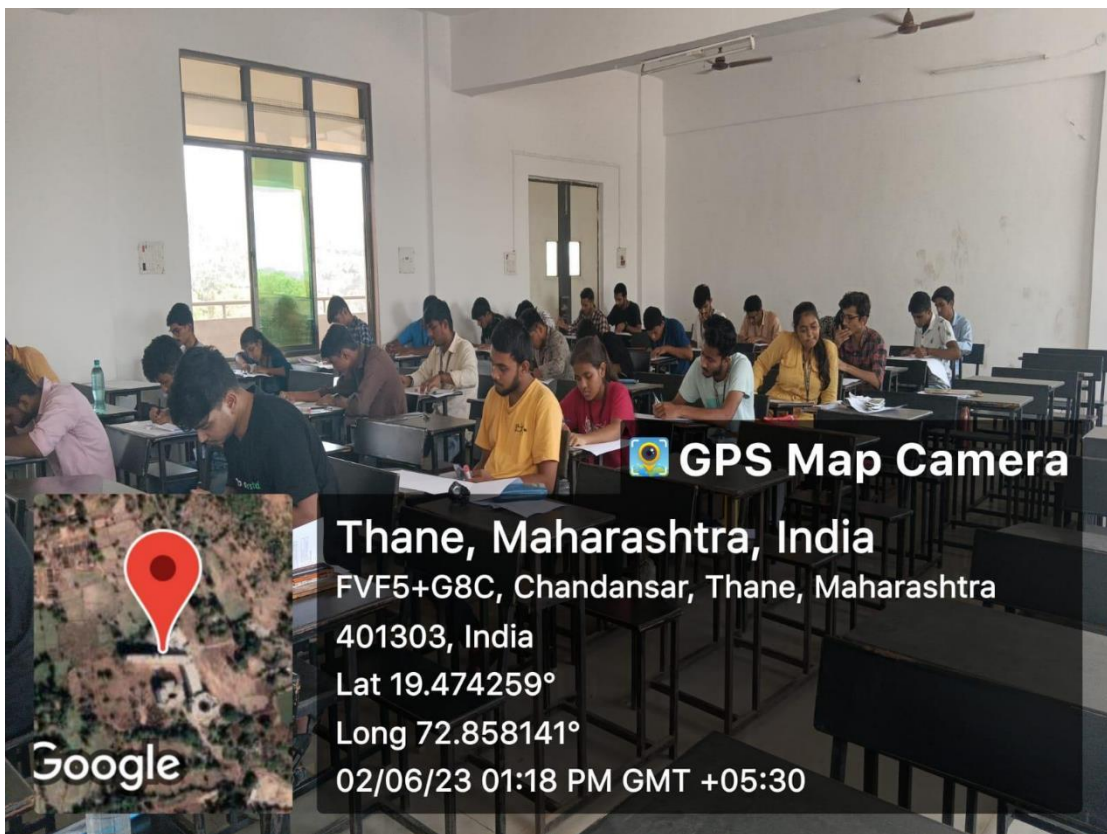
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**Open windows are bonus as they lighten and brighten up classrooms and also promotes the freshness of minds**



**CLASSROOM WITH ABUNDANCE OF SUNLIGHT**



**CLASSROOM WITH ABUNDANCE OF SUNLIGHT**





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**Our most classrooms are built in such a way that they get maximum sunlight coming in. Due to this we hardly use Tube lights during working hours. This reduces our power consumption.**

## **Management of the various types of Degradable and Non-Degradable Waste**

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

- **Response:-**

The very good and scenic location of Viva Institute of Technology inspires inhabitants to remain eco- friendly. Devoid of congested city environment, the staff and students enjoy the nature intimately on this campus. Besides having infrastructure construction as per the necessity for an educational campus, the institute has large lush green surroundings which is rich in vegetation and natural beauty and it make conscious efforts to enhance and nurture theeco-friendly environment on the campus.

Institute is conscious about the environmental issues arising from improper waste handling, management and take responsibility to ensure that waste from the campus are properly disposed and/or recycled. The institution has taken up several measures for waste management to safeguard the environment.





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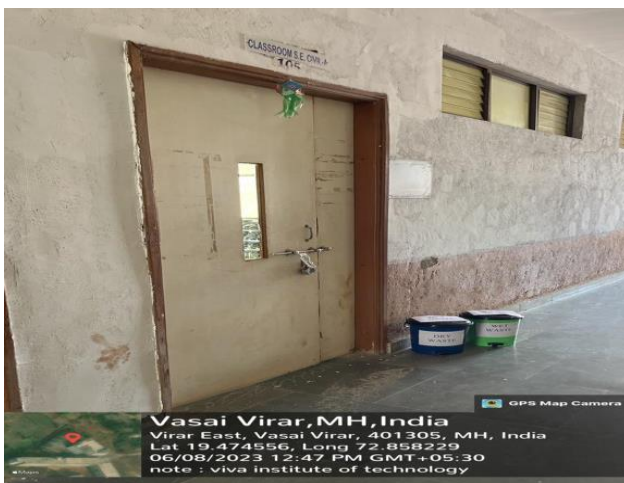
**1. SOLID WASTE MANAGEMENT**

Our Institution has taken many initiatives towards waste management. The Institute follows the principle of 3R (Reduce, Reuse and Recycle) to meet its objective of Sustainable Development and by bringing ecological balance. The approach towards waste management is governed by the twin principles of reducing waste and processing waste. The college instructs the staff and students to reduce waste to the maximum possible extent. Solid waste generated from colleges is due to routine activities which include paper, plastic, glass, metals, food etc. The college believes its utmost responsibility to remove all waste not only for the safety of the students but also for the harm it will causes to the environment.

Dustbin for waste are provided in laboratories, library, common room, washroom. Waste pick-up and collection is done by sweepers on daily basis. Collected solid waste is segregated and transferred to big dustbins. Further collection & disposal of solid waste is done by Vasai-Virar Municipal Co-operation workers.

Solid waste from canteen is collected separately, to avoid mixing of organic waste in other waste. so that organic matter can be converted to manure, which is then transferred to nearby fields

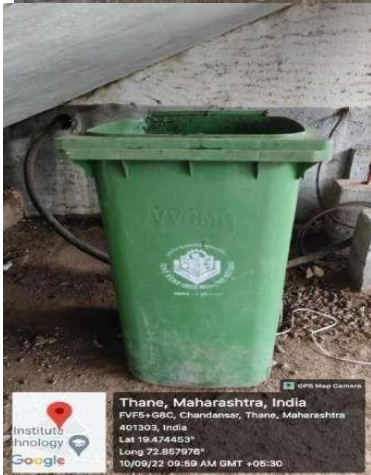
**DUSTBINS AT DIFFERENT LOCATIONS**





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**COLLECTION OF WASTE BY VVCMC WORKERS**

**2. LIQUID WASTE MANAGEMENT:**

The liquid waste in institute include waste-water coming from wash-basin, water-cooler, lab, canteen etc. This sullage water is sent to drain pipes. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Wastage of drinking water is restricted through proper monitoring and instruction. Proper drainage/ plumbing system is arranged for all the buildings of the campus.



**PLUMBING SYSTEM**





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**3. E-WASTE MANAGEMENT:**

The e-waste includes a wide range of electronic and electrical items such as computers, printers, keyboards etc. Electronic machines and goods are put to optimum use. The institute takes efforts to minimize e-waste by repairing the computer peripheral and electronic components.

E-waste generated from various departments which cannot be reused or recycled is firstly collected together, segregated and then being disposed off centrally through certified eco-friendly vendors like Ecotech recycling Khanivade. The recycling at this place is done according to MPCB norms.



**Certificate of E-waste management**







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**License for Collecting E-waste**

Unique No. 964

**Pass Book for Maintaining Records of  
Purchase of E-Waste under the  
E-waste (Management) Rules, 2016**

Name and Address of the Industry : M/s New Ecotect Recycling  
Survey No. 136, Hissa No. 96E,  
at post - Khaniwade, Taluka -  
Vasai, District - Palghar.

Telephone/Fax No. : 9096088949

E-mail Address : newecbtechrecycling@gmail.com

Authorisation No. : MPCB/RO(HQ)/HSM/ Auth/21/EW/38

Authorisation issued for : Recycling / dismantling of the E-Waste

Date of Issue : 03/09/2022

Validity Period : 31/01/2027

Quantity of the E-Waste(s) procurement is permitted for Recycling / Dismantling of the E-Waste.

S. No.	Type of E-Waste	Quantity (Tons Per Annum)
1	Collection, Segregation and Dismantling of E-waste	300 MT/A

All the conditions prescribed in the authorisation shall be complied all the time.

Date : 03/09/2022  
Place : Mumbai

Authorised Signatory & Seal

**N. N. GURAV**  
Regional Officer (HQ) & Incharge  
HSM Division  
Maharashtra Pollution Control Board  
3rd Floor, Kalpataru Point, Opp. Cine Planet,  
Sion (E), Mumbai

1

**License of Vendor collecting E-waste from college**





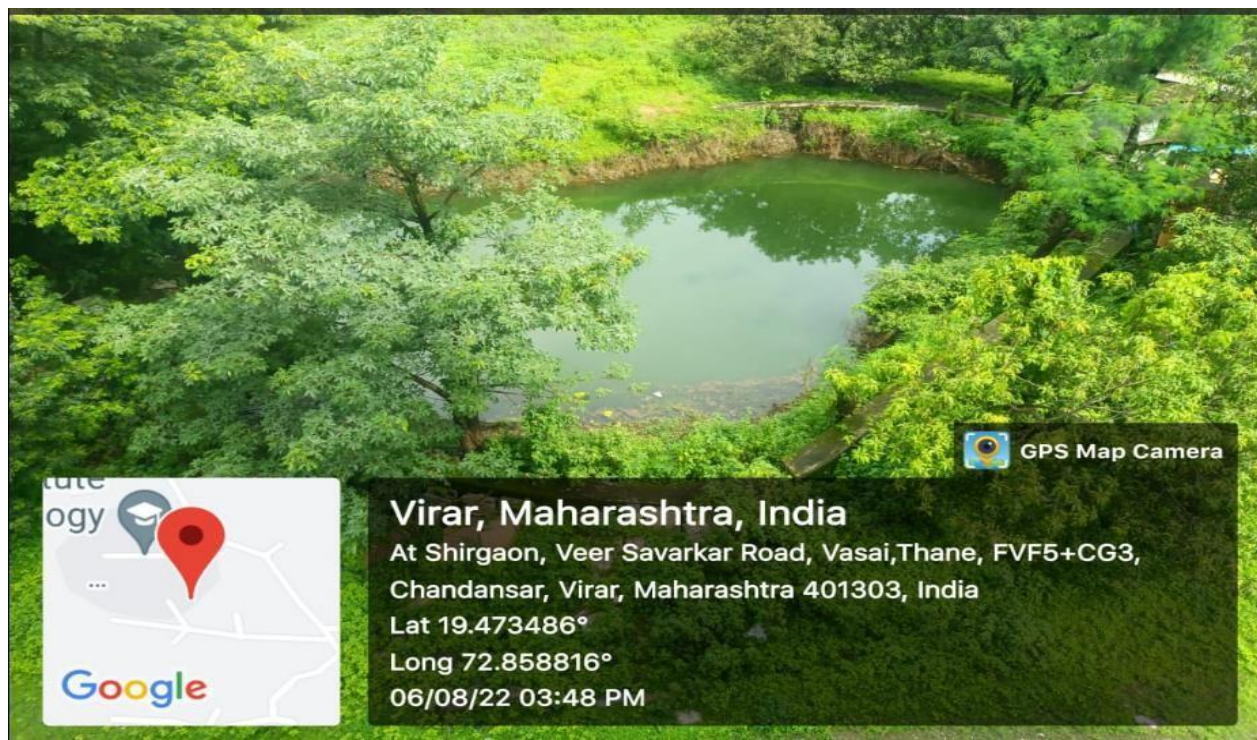
## WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION

S.no	Particulars	Status
1	Rain water harvesting	No
2	Borewell/Open well Recharge	Yes
3	Construction of Tanks and Bunds	Yes
4	Waste water recycling	No
5	Maintenance of water bodies	Yes

### BOREWELL/OPEN WELL RECHARGE

Borewell facilities are available in Institute as part of water conservation facility. They are three in number The dimension description of open well is as below

- Diameter-50 feet.
- Depth-40 feet



### OPEN WELL IN RECHARGED MODE 1

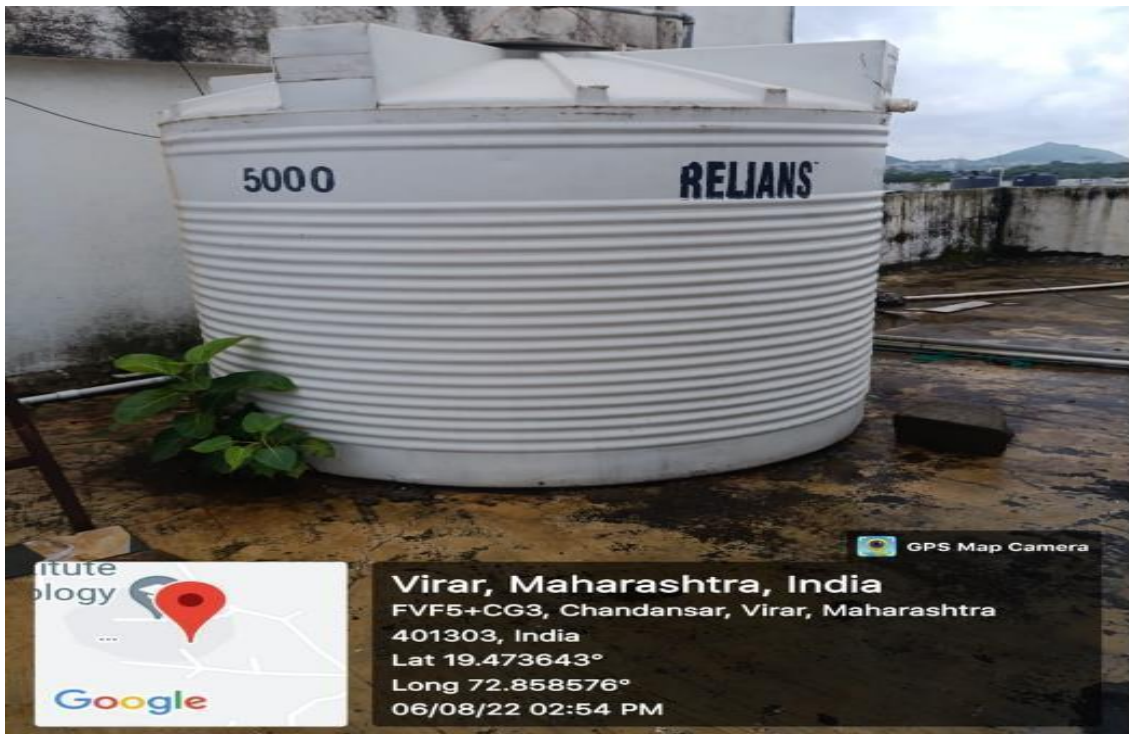




## OPEN WELL IN RECHARGED MODE 2

### CONSTRUCTION OF TANKS AND BUNDS

The Construction of Water tank and Bunds are taken and provided in institute as a part of water conservation facility. The Capacity of tank is 5000 liters.





## MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS

As a part of Water conservation facilities that are available in the Institution, water bodies, their maintenance and Distribution of water system is provided in the Institute as a part of water conservation facility. The water bodies are as below

<u>S.no</u>	<u>Water Body</u>	<u>Count</u>
1	<u>Water cooler</u>	<u>1</u>
2	<u>R.O(Big)</u>	<u>1</u>
3	<u>R.O(Small)</u>	<u>3</u>

1. VIVA CANTEEN
2. MECHANICAL ENGINEERING BUILDING\_1
3. MECHANICAL ENGINEERING BUILDING\_2

### RO(Big) R.O (Small)





## GREEN CAMPUS INITIATIVES

### Restricted entry of Automobiles:

College does not allow entering all the vehicles in campus premises. Only the fraternity of College can enter with their vehicles. Some college Students and employees are coming with public transport like bus, Auto rickshaws avoid individual vehicles for pollution free environment VIVA INSTITUTE OF TECHNOLOGY VIRAR EAST is well connected through bus, auto, e- rickshaw from different place. Just outside campus a bus stop is there for college students or employees can avail the bus. Those are coming with own vehicle are follows the norms of PUC and some are come with their electric vehicles

### Restriction for Entry of Automobiles

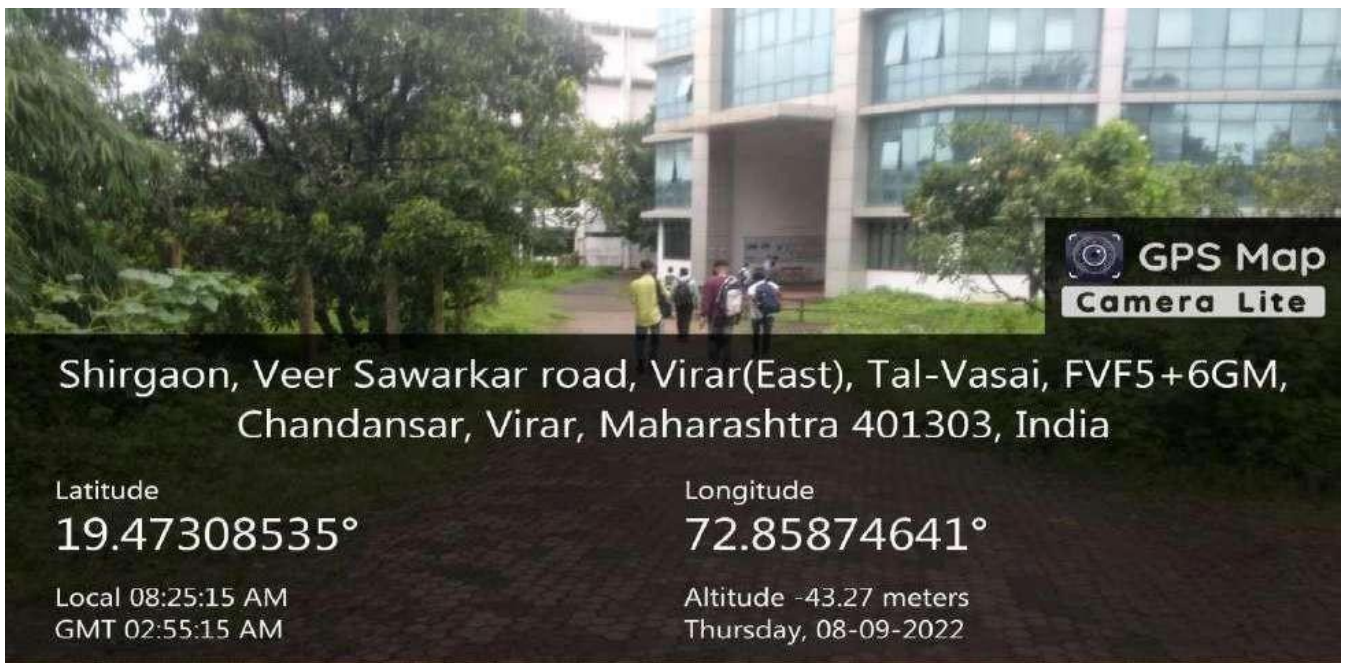


### Bus Stop





## Electric Vehicles



## Pedestrian Friendly Pathways





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**Tree Plantation:** - Institute takes program for tree plantation inside the College campus to maintain the green campus.



**Tree Plantation 2018-19**





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**Tree Plantation 2019-20**







## PLASTIC FREE ENVIRONMENT

On 06/06/2022 on the occasion of World Environment Day a program was organized by the Humanities Applied Sciences Department for Plastic Free Environment. A Poster Making Competition was taken by the Humanities Applied Sciences Department. The theme of the program was "Plastic Free Environment". In this regard a notification was issued (copy enclosed). And institute is always initiate and motivates students for plastic free environment and also have google classroom and staff portals for all academic related paperless work to save the paper.

### World Environment Day 2022



### Environment Awareness Program



### Poster Making Competition





**Virar, Maharashtra, India**  
 Shirgaon, Veer Sawarkar road, Virar(East), Tal-Vasal,  
 FVFS+MEW, Chandansar, Virar, Maharashtra 401303, India  
 Lat 19.474139°  
 Long 72.858164°  
 06/06/22 04:00 PM

Late Shri. Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Technology**  
 Department of Humanities And Applied Sciences  
**Attendance Sheet**  
 WORLD ENVIRONMENT DAY CELEBRATION 6 TH JUNE 2022  
 POSTER MAKING COMPETITION  
 THEME: PLASTIC FREE ENVIRONMENT

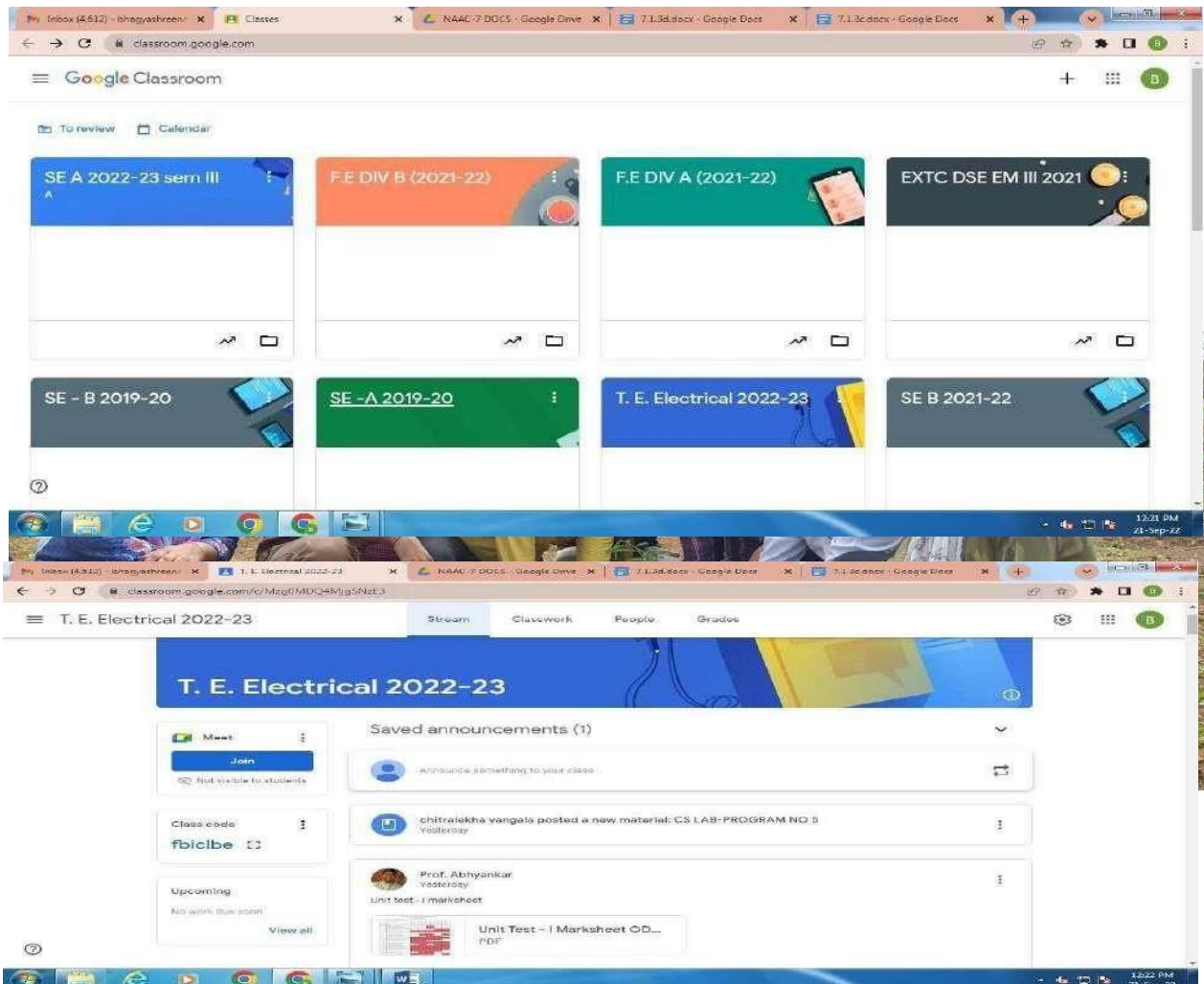
Sr. No	Name of the student	Branch	Signature
1	ANUSHI PANDEY	MECH	Anushi
2	SHEETAL GUPTA	MECH	Sheetal
3	DEVLIKHAR CHAITANYA	MECH	Devli
4	CHAITANYA RAUT	EXTC	Chait
5	HAREHIT SINGH (01)	COMPS	Harehit
6	Dhiket Khedaskar	Mech	Dhiket
7	Akshay Patil	Mech	Akshay
8	Sahil Kadani	Comp	Sahil
9	Khushbu H. Pasi	Comp	Khushbu
10	Kushubha Kajal	EXTC	Kajal
11	Pranavati Babul	Comp	Pranavati
12	Neelika Kamble	EXTC	Neelika
13	Anny Upadhyay	Comp	Anny
14	Naresh Kate	MECH	Naresh
15	SHRIKANT S. BHITE	COMP	Shrikant
16	Ayush. Bhoir	COMP	Ayush
17	Poornam Juvkar	COMA	Poornam
18	Anant Chawda	COMP	Anant
19	Dheeraj Sawade	COMP	Dheeraj
20	Manjari Mhatre	COMP	Manjari
21	Shreya Raut	COMP	Shreya
22	Trupti Patil	Comp	Trupti
23	Somesh Chavan	Comp	Somesh
24	Sanyana Kamble	Comp	Sanyana
25	Neha Hasekar	Comp	Neha
26	Rishabh Singh	Comp	Rishabh
27	Aditya Singh	Comp	Aditya
28	Yashu Sulekha	Comp	Yashu
29	Swayam Kumar Yadav	Comp	Swayam
30	Shivam Kumar Yadav	Comp	Shivam
31	Aparna Ran	Comp	Aparna
32	Lokesh G. Gupta	Comp	Lokesh
33	Dilip Sridhar	Comp	Dilip
34	Amitesh Yadav	Comp	Amitesh
35	Raj Utkar	Comp	Raj
36	Yashu Sahul	Comp	Yashu
37	Pranavkumar	Comp	Pranav

**Poster Making Competition**





## Posters having message on Save Earth



Google class room





## STAFF PORTAL

Employee

- Admission Master
- Pre Admission
- Admission
- Fee
- Students
- Exam
- Library
- Reports
- NCRENB

First Name :  
BHAGYASHRI

Middle Name :  
SURESH

Last Name :  
NETKE

D.O.B :  
1/8/1989 12:00:00 A

Gender :  
 Male  Female

Marital Status :  
 Married  Unmarried

Address :  
A504,GIRIRAJ TOWERS ,GOKULDHAM

---

Other Details

D.O.J :  
7/15/2016 12:00:00 ,

Academic Year  
Choose 01/July/2022-30/June/2023

Upload P  
Upload S

Profile

Employee

Admission Master

Pre Admission

Admission

Fee

Personal Details  
Teacher Id: HAS00010

Basic Details

First Name :  
BHAGYASHRI

Middle Name :  
SURESH

Last Name :  
NETKE

D.O.B :  
1/8/1989 12:00:00 A

Gender :  
 Male  Female





## MAIL FROM OFFICE OF INSTITUTE GIVING MESSAGE OF SAVE TREE



----- Forwarded message -----

From: **swapnil shirsat** <swapnilshirsat@vivacollege.org>

Date: Thu, Oct 27, 2022, 9:29 AM

Subject: Approval Letter

To: ajazul haque <ajazul.haque.vitphy@vivacollege.org>, <dr.ajazulhaque@viva-technology.org>

--

Please find the attached.

Thanks & Regards,

**Mr. Swapnil S. Shirsat**

Office Superintendent

VIVA Institute of Technology

Cont. 9823943103 | 8793605143

**Please do not print this email unless it is absolutely necessary.**

**Save trees Save Environment.**



Approval Letter UOM.pdf





## RECYCLE WORKSHOP

NSS Unit of VIVA-Tech organized a workshop on “Use of Newspaper bags as an alternative to plastic bags” in our mission to eradicate the use of plastic bags on **5th Oct, 2019**. The session was conducted by Prof. Pallavi Vartak and our principal Dr. Arun Kumar also participated in the workshop. A total of 300 Newspaper bags were made and 30 portable easy to make dustbins were also prepared. This paper bags will be distributed to students of our Institute. The highlight

of this paper bags are that it doesn't require scissors or glue to prepare. The only raw material used is newspaper and origami. Paper bags are the oldest types of packaging material and are very much prevalent in the modern days in various fields. Infact, paper bag is one of the most common and popular form of packaging.





## **DISABLED-FRIENDLY, BARRIER FREE ENVIRONMENT**

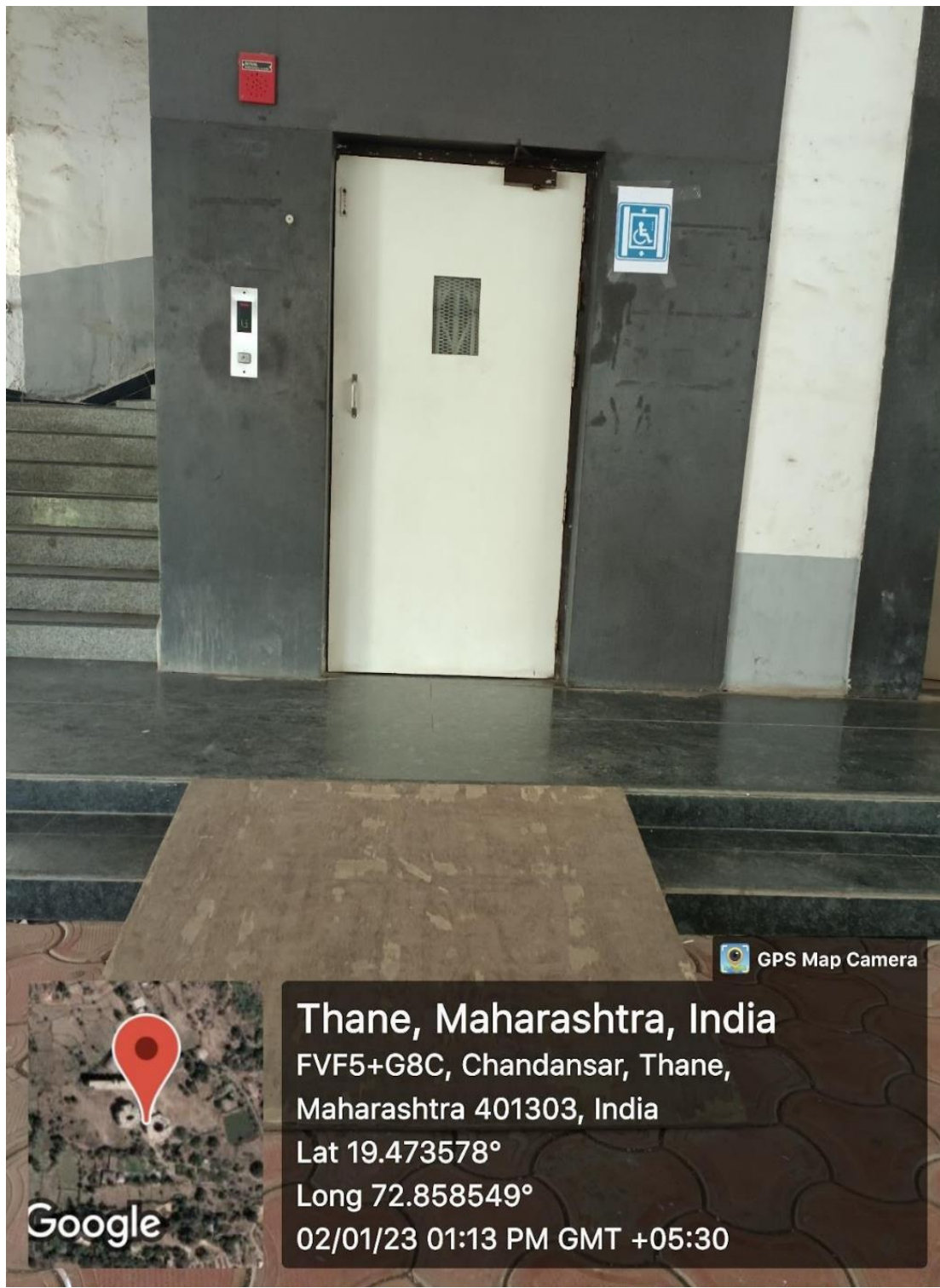
### **Policy for Differently abled in campus:**

- Ensure counselling to divyanjan students on various courses who could study and pursue their higher education.
- Extend help to divyanjan students to succeed in academic and personal life.
- Provide special facilities such as ramps, rails, special toilet, wheelchair, reserved desk in library and provide necessary changes to help special needs of divyanjan students.
- Provide required technological support during the learning process.
- Provide assistance and facilities during examinations.
- Providing an information desk/help desk that will guide time to time during their curriculum





## Inclusion of Facilities Available for Divyajan:



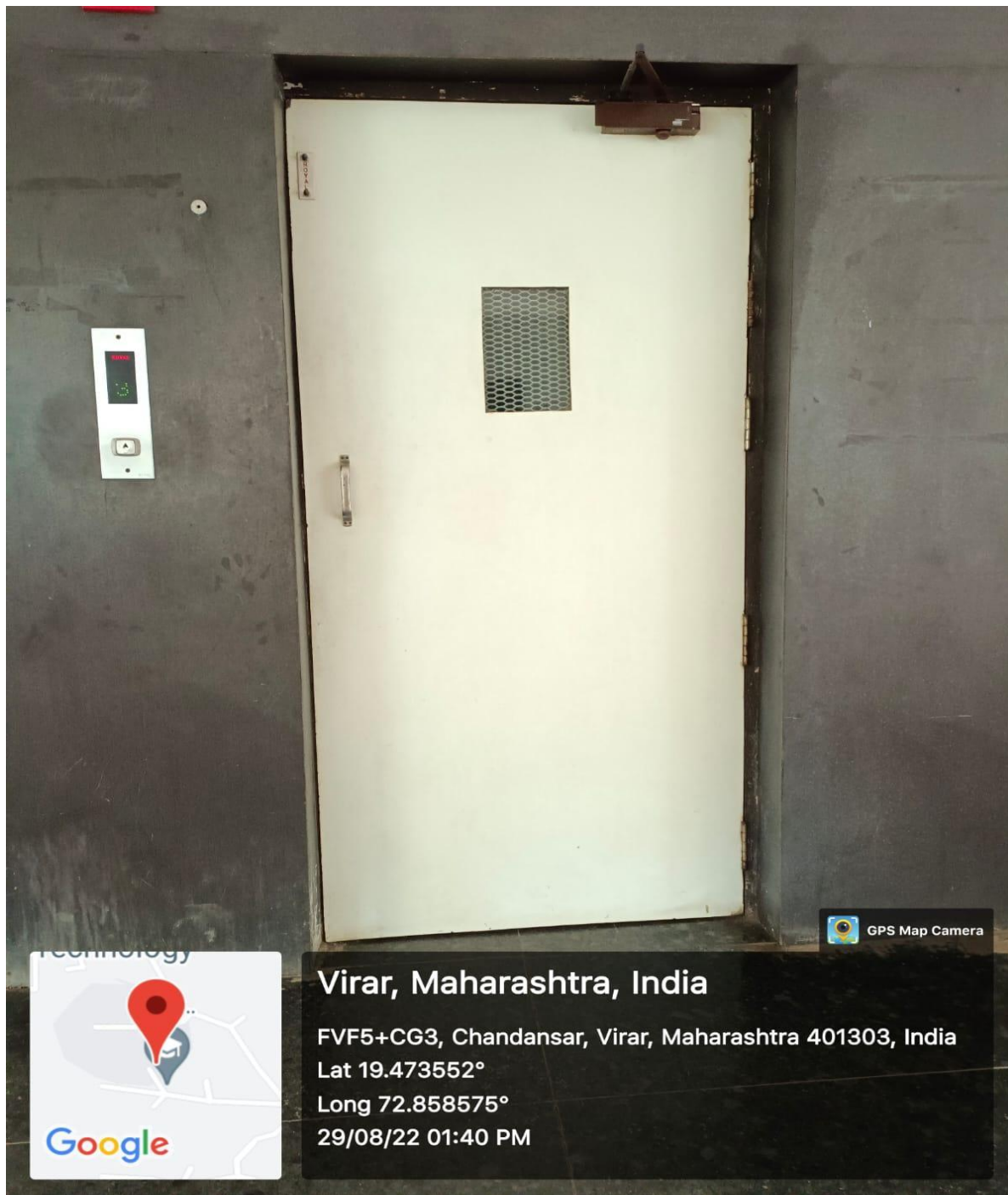




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Every college building has a lift that provides students, faculty, visitors and individuals with disabilities with barrier-free access.



**Provisional for Lift:**

**LIFT 1**





one restroom available to people with disabilities. Access for those with disabilities is made easier by a non-slip floor, sliding door, and grab bars.

### Reception Counter and Help Desk

The Reception Counter gives all necessary information to those with disabilities and human help.

### Screen Reader Software

NVDA open source software is used for screen reading for blind persons as well as vision impaired persons. It is installed in the computers at library to help the visually challenged students in learning.

**Library showing reserve desk for Disable person:**In the library, one desktop is reserved for those with disabilities.





## TACTILE PATH



## WHEELCHAIR





# VIVA Institute of Technology

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## Shabbir Hussain

B. Arch.

Dated:-28-12-2020

### TO WHOMSOEVER IT MAY CONCERN

This is to state that Late Shri Vishnu Waman Thakur Charitable Trust's Viva Institute of Technology approved by Vasai Virar City Municipal Corporation vide order no. VVCMC/TP/RDIP/VP-0711/173B/2011-12 dated 03/01/2012 on land bearing S.No.262(Pt); S.No.285 H.No.4(Pt), 5 ,6, 7, 8, 10, 11, 12; S.No.286(Pt) & S.No.368(Pt) of Village Shirgaon, Tal.Vasai, Dist.Palghar [earlier Thane] has sewage disposal system, barrier free environment, toilets created for physically challenged and all weather approach road in the campus.

I hereby certify the above.

For Shabbir Hussain



add. - B-201, Heena Apt. Hathimolalla, Vasai, Goon. Thane - 401 801  
e-mail: shhussain\_22@yahoo.com Cell.: 9823210272 / 9823102477

