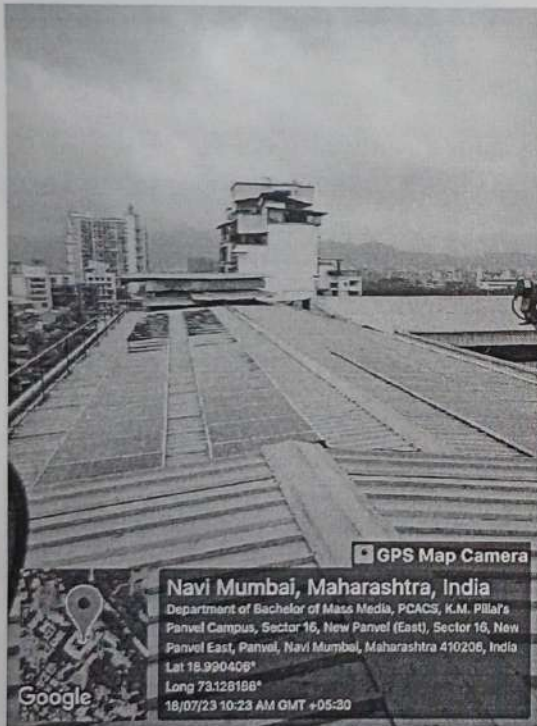


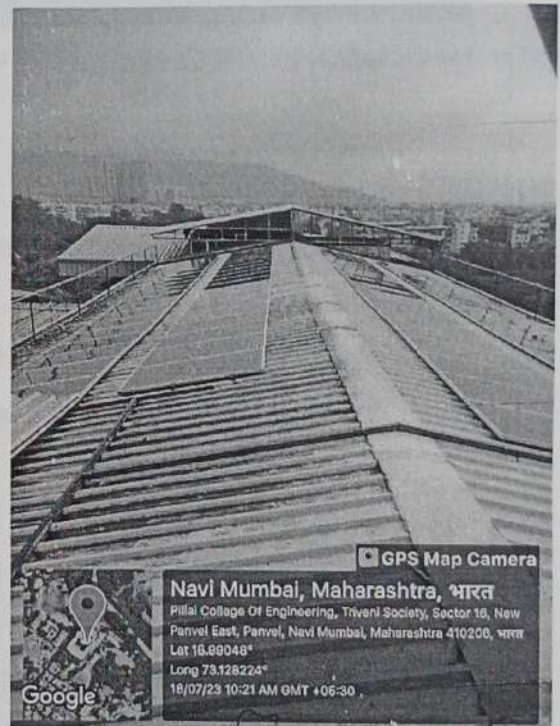
7.1.2 - The Institution has facilities and initiatives for:

1 ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

- Solar energy is generated in the campus through solar panels installed on the terrace of the campus building.



53.9 Kwp Solar Panels



25 Kwp Solar Panels



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53.9 Kwp Solar Power Plant Invertors
25 Kwp Solar Power Plant Invertors

Solar Photovoltaic System in Pillai College

- Our campus has a total of 75 KWp Solar photovoltaic system installed on the rooftop which is Grid connected .
- Out of 75 KWp , 50 KWp was installed in the year 2010 by Moserbaer .
- The total panels used are 249 numbers , each panels with a power of 210Wp which is of Moserbaer make.
- Total Inverters used are 6 numbers each of 9000TL .
- The new panels i.e of 25 KWp was installed in the year 2017 by company called MINUS CO2 PVT LTD .
- The total panels used are 78 numbers , each panels with a power of 315 Wp which is of Vikram solar make.
- It is having a single Inverter of 25 KW of SMA make .
- Total Average Power production per day by 75 kWp is 180units.



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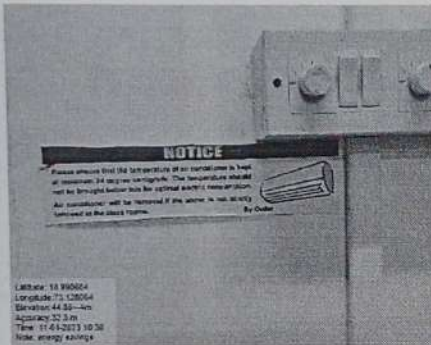
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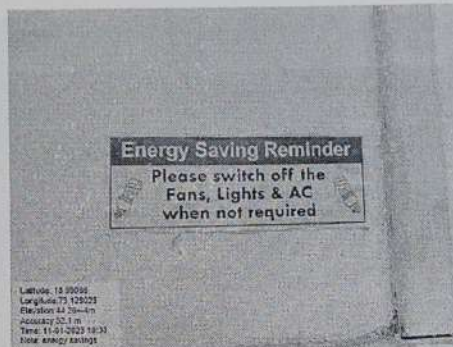


ENERGY CONSERVATION MEASURES

- Electric switch – Reminder stickers: Such stickers are placed near electric switchboards to switch off the connections when not in use which helps in reducing electricity bills and create awareness among students and faculties.



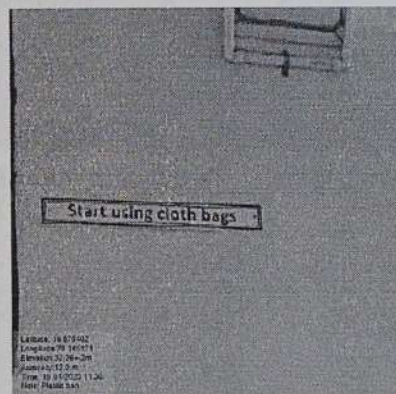
Notice for temperature control of AC



Energy saving reminders



Plastic Ban Notification



Say No to plastic bags Notification



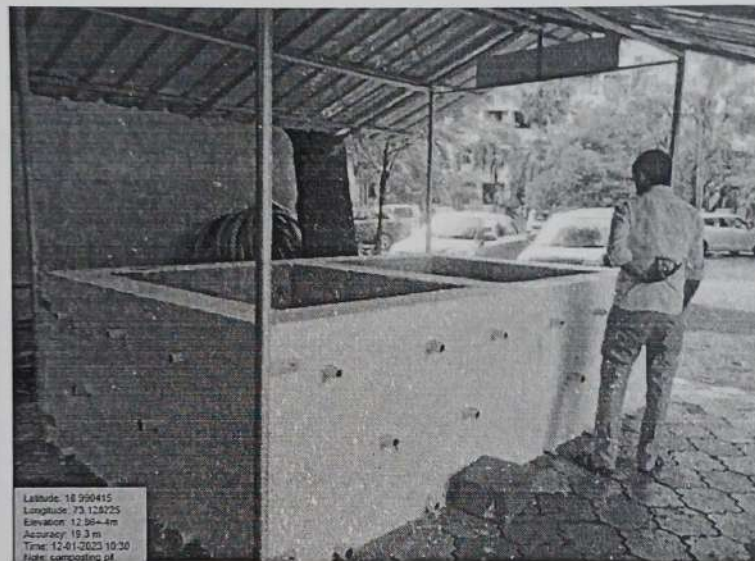
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2 MANAGEMENT OF THE VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTES.

- Compost Pit: It helps in reducing the organic waste generated on the campus and the compost manure is being used as fertilizer for the plantation and greenery on the campus.



Latitude: 18.990415
Longitude: 73.128225
Elevation: 12.96-4m
Accuracy: 19.3m
Time: 12-01-2025 10:30
File: composting pit

Dustbin for collection

Composting pit



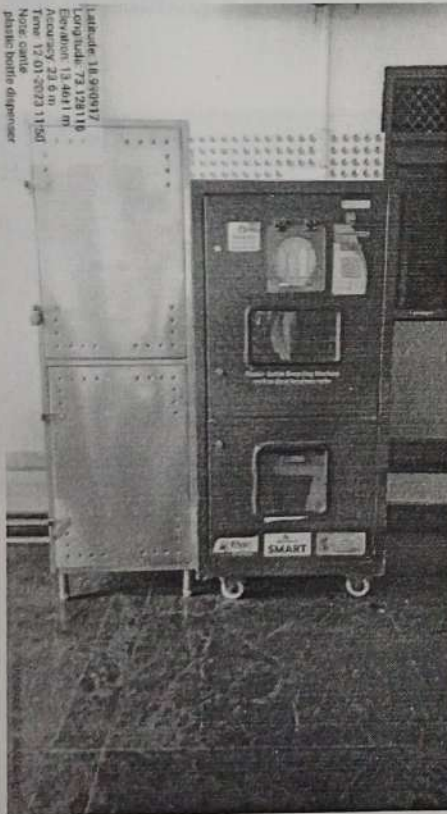
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- Water Bottle Dispenser Machine: Plastic bottle dispenser machine is a great help to reduce plastic waste getting generated on the campus. It is strategically located in the canteen area so that students gets benefited and aware about the nuisance of plastic waste for the environment.



Water bottle dispenser machine



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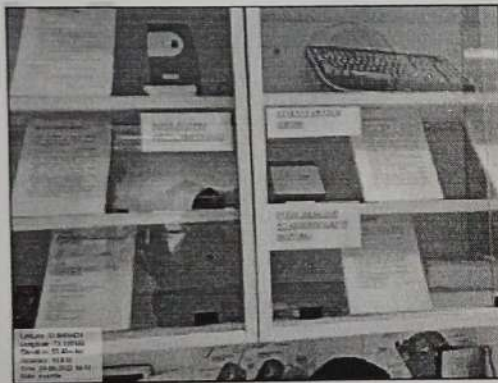
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MES Pillai's New Panvel Campus has implemented an E-waste recycling program that actively collects old motherboards, hard drives, monitors, and networking equipment on its campus. PiCA is a active part of the initiative. These electronic items are then sent to local recycling facilities for proper disposal and recycling. By conducting such a program, Pilai campus exhibits its dedication to responsible electronic waste management and environmental sustainability. This initiative plays a crucial role in minimizing the environmental impact of electronic waste and promoting a greener and cleaner campus.



E-Waste Storage rack



E-Waste Store room



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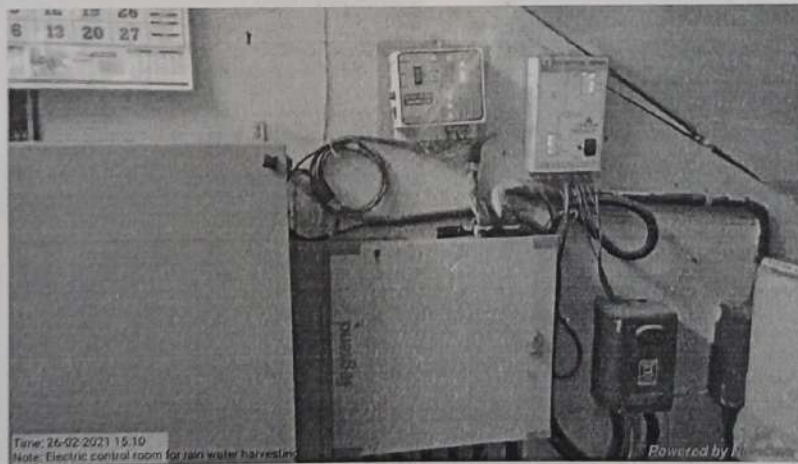


3 WATER CONSERVATION

- Implementation of the rainwater harvesting system in our campus is the best approach to fight with the present scenario of water scarcity in all aspects, whether it is from a financial point of view or from optimum utilization of land surface.



Borewell Setup



Water Tank Maintenance



Dr. Sudnya Mahimkar

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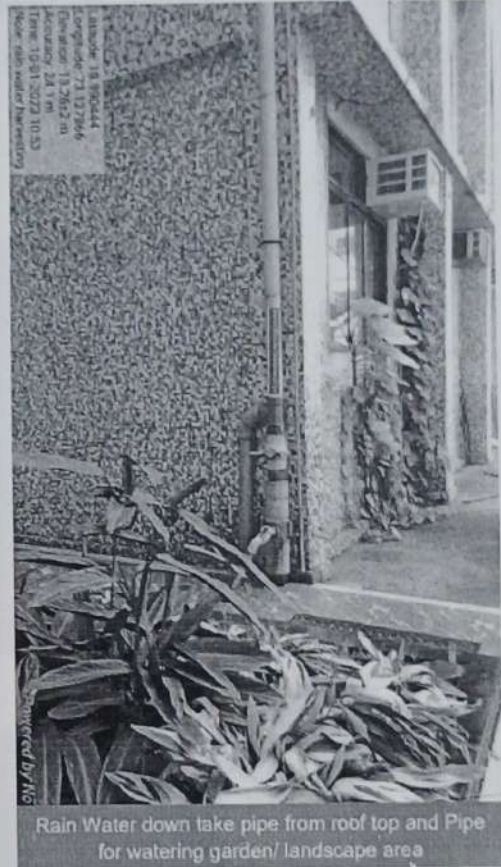
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Latitude: 18.990437
Longitude: 73.127901
Elevation: 13.26±4 m
Accuracy: 21.4 m
Time: 10-01-2023 10:52

Rain Water harvesting underground tank

Rainwater Harvesting storage tank



Rain Water down take pipe from roof top and Pipe for watering garden/ landscape area

Rainwater Down take pipe from the roof



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4 GREEN CAMPUS INITIATIVES

- Garden and plantation around building periphery.
- Lawns and gardens are maintained with utmost care with the help of in-house dedicated gardeners and cleaners.



Sprinklers for Landscaping



Greenscape around the building



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Latitude: 18.99421
Longitude: 72.728225
Elevation: 12.3m
Accuracy: 15.8 m
Time: 12-01-2023 11:34
Note: Stage

Mango Yard



Latitude: 18.99454
Longitude: 72.72857
Elevation: 13.2m
Accuracy: 15.8 m
Time: 12-01-2023 11:28
Note: garden

Pedestrian free pathway



Latitude: 18.99254
Longitude: 72.72852
Elevation: 13.9m
Accuracy: 9.2 m
Time: 12-01-2023 14:45

Water body in the green area



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- Garden and plantation around building periphery: It helps in reducing temperature and create micro climate and give rise to biodiversity in the area.



Tree Plantation Drive

- The green cover on the campus takes care of the air quality.
- The college has made arrangements for the parking of vehicles of students & staff at a separate space demarcated for the same. This helps to keep the campus clean and pollution free.



Greenscape and Parking



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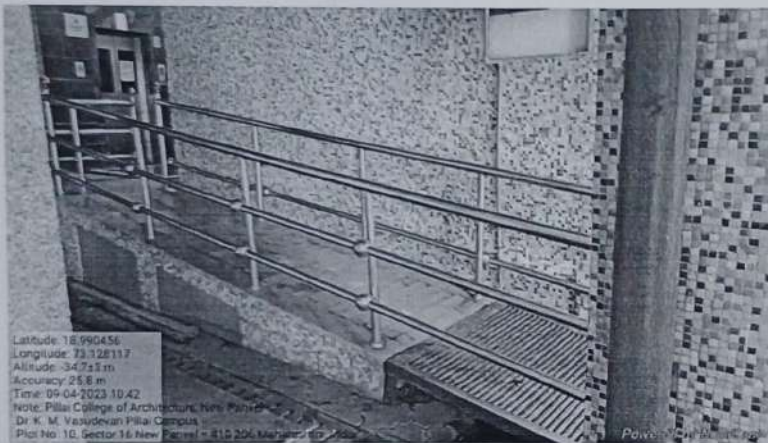
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5 DISABLED FRIENDLY BARRIER FREE ENVIRONMENT

- Our institute has provisions & resources available for differently able persons, as they require special aids & facilities for their needs. Lifts, ramps, rails & toilets are installed to facilitate barrier free access.



Ramp



Wheel chair for physically challenged



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Ladies toilet for Differently abled



Gents toilet for Differently abled



Internal view of toilet for Differently abled

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Signages in Braille on elevator



Lift



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