



MES ASMABI COLLEGE P.VEMBALLUR

7.1.2

Geotagged Photographs

**Alternative Sources of Energy, Energy Conservation Measures,
Green Campus, Waste Management
and Barrier-Free Disable Friendly Facilities**

ALTERNATIVE SOURCES OF ENERGY, ENERGY CONSERVATION MEASURES

SOLAR POWER PLANT

Our institution is committed to its zeal for the environment. A solar power plant is operational in the institution. Seminars and awareness classes on energy conservation are organised by various Departments of the college.



WHEELING TO THE GRID



Electricity is transported from its point of contact to broader transmission grid which helps in overall energy efficiency and management.

BIOGAS PLANT

A biogas plant is functional in the college hostel and turns the waste thus collected into sustainable energy. It offers a sustainable solution for managing organic waste while simultaneously producing renewable energy.



ENERGY EFFICIENT SMART LED LIGHTS AND FANS

Our institution is committed in its zeal towards environment. LED lights and energy efficient smart fans, Brushless Direct Current (BLDC) have been installed in classrooms and different parts of the college. Electronic equipments are purchased taking into account the star rating of these equipments.



SENSOR BASED WATER PUMP AND PURIFIER



Sensor based water pumping facility of the institution optimises water usage and minimises waste

MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE

The waste segregation process of our institution starts from the classroom. Separate bins for plastic and paper waste are placed in the classrooms which are further taken to a central waste collection unit.





CHEMICAL WASTE

The chemical waste generated in laboratories is neutralized, diluted, and disposed of by the procedures outlined in the chemical disposal manual, directing it to specific pits designated for such disposal



VERMICOMPOSTING UNIT

A vermicomposting unit is designed to recycle organic waste using earthworms, transforming it into nutrient-rich compost. This process helps reduce the volume of biodegradable waste produced in the campus sent to landfills, contributing to overall waste reduction. The resulting vermicompost serves as an excellent soil conditioner, enhancing soil fertility, structure, and water retention. Vermicomposting units are sustainable, eco-friendly solutions that promote natural decomposition processes and minimize the need for chemical fertilizers. They are also valuable educational tools, teaching students and communities about the importance of recycling organic materials and the environmental benefits of vermicomposting.



GREEN CAMPUS

Green spaces and eco-friendly landscaping contribute to the overall aesthetics of a green campus while promoting biodiversity and a healthier environment. Educational initiatives on sustainability and environmental conservation are often integrated into the curriculum, empowering students with the knowledge and skills to become environmentally conscious leaders in their communities.


GARDEN



WATER CONSERVATION


RAIN WATER HARVESTING FACILITY



 GPS Map Camera

Padinjare Vemballur, Kerala, India
748V+R53, Azhikode – Chamakkala Rd, Padinjare Vemballur, Kerala 680671, India
Lat 10.267069° Long 76.143183°
26/02/24 02:52 PM

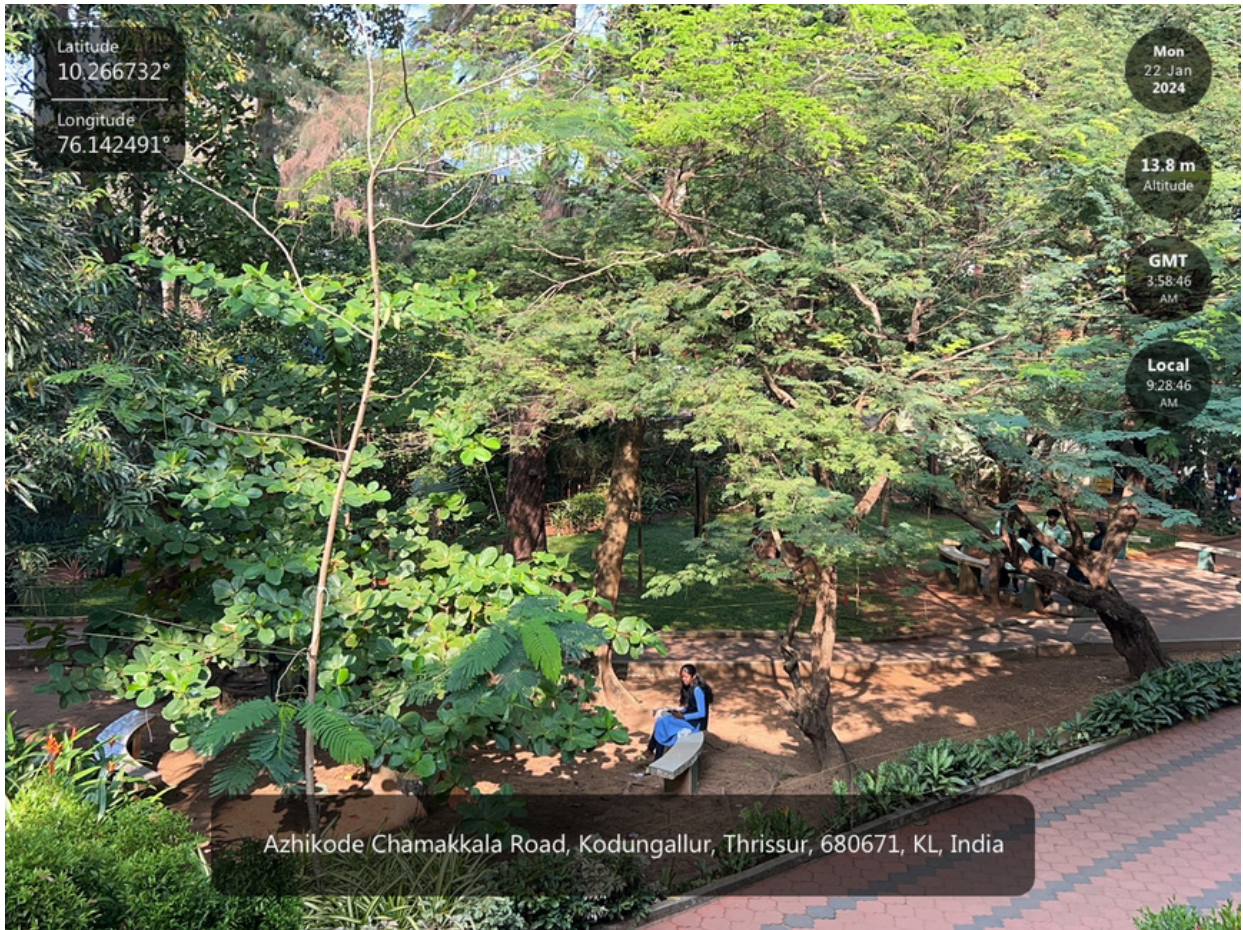


 GPS Map Camera

Padinjare Vemballur, Kerala, India
746R+V6, Padinjare Vemballur, Kerala 680671, India
Lat 10.267001° Long 76.142605°
26/02/24 02:50 PM

- A rainwater tank is functional at the hostel with a capacity of 10000 liters.
- collected water is used for domestic purposes in the hostel.
- The plants and trees watered by using this facility.
- It is also used for laboratory purposes, irrigational needs of the college and flushing toilets.





GREEN LANDSCAPING



GPS Map Camera

Padinjare Vemballur, Kerala, India

748V+J2W, Azhikode – Chamakkala Rd, Padinjare Vemballur, Kerala 680671, India

Lat 10.266644° Long 76.142349°

22/03/23 09:44 AM

LIFT FACILITY

The lift facility of the institution helps divyanjan to navigate the campus with ease.



PEDESTRIAN FRIENDLY PATHWAYS



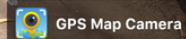
Padinjare Vemballur, Kerala, India

748R+PR3, Padinjare Vemballur, Kerala 680671, India

Lat 10.266646°

Long 76.142352°

22/03/22 12:34 PM



WHEEL CHAIRS



The institution offers wheel chair facility for differently abled students. The facility ensures an inclusive barrier free environment in the campus.

SKYWALK THAT CONNECTS THE MAIN BUILDING WITH COMMERCE BLOCK



The sky walk facility helps differently abled students of the institution to access the main building of the institution with ease.

RAMPS



RAMPS



SCREEN-READING SOFTWARE (NON-VISUAL DESKTOP ACCESS -NVDA)

Facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software (Non-Visual Desktop Access -NVDA) in the college library. Storyteller app links are provided to students through the library website.



AUDIO BOOKS FACILITY IN LIBRARY

[CLICK HERE FOR THE LINK](#)