



ST. THOMAS COLLEGE

Ranni, Pathanamthitta, Kerala – 689673

ACCREDITED BY NAAC WITH 'B' GRADE

7.1.2 : Environmental consciousness, sustainability and Divyangjan friendly initiatives

GEOTAGGED PHOTOGRAPHS / VIDEOS OF THE FACILITIES

CRITERION : 7

**INSTITUTIONAL VALUES
AND BEST PRACTICES**



CONTENTS

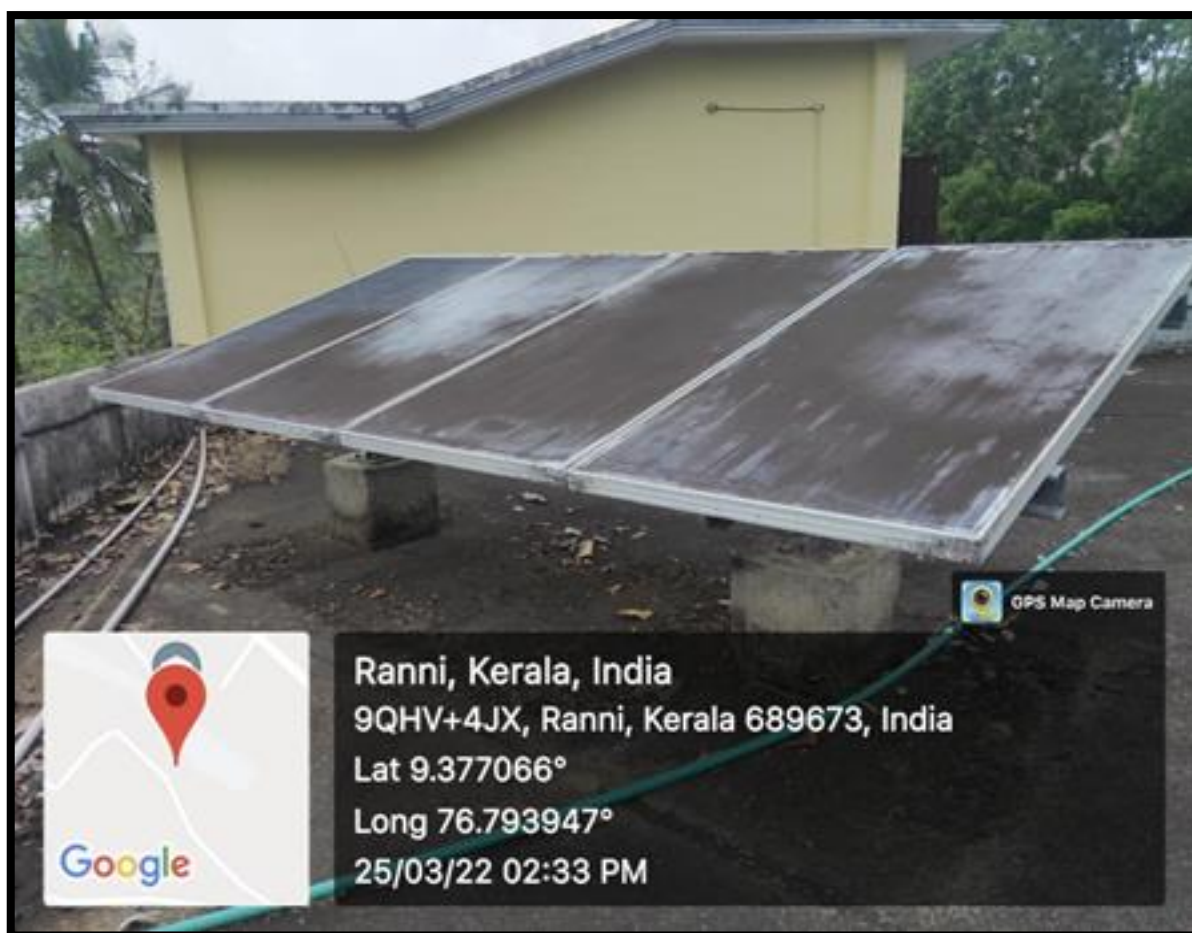
- PHOTOS: Facilities for Alternate Sources of Energy& Energy Conservation**
- PHOTOS: Facilities for Management of Degradable& Non-Degradable Waste**
- PHOTOS: Facilities for Water Conservation**
- PHOTOS: Green Campus Initiatives**
- PHOTOS: Divyangjan-Friendly Facilities**



FACILITIES FOR ALTERNATE SOURCES OF ENERGY & ENERGY CONSERVATION

SOLAR PANEL

Solar panel with the capacity of 1 KVA is installed on the rooftop of the women's hostel to harness solar energy. The generated energy is effectively utilized to satisfy the energy demands of the hostel, thereby contributing to a reduction in electricity consumption from the Kerala State Electricity Board (KSEB).





BIOGAS PLANT

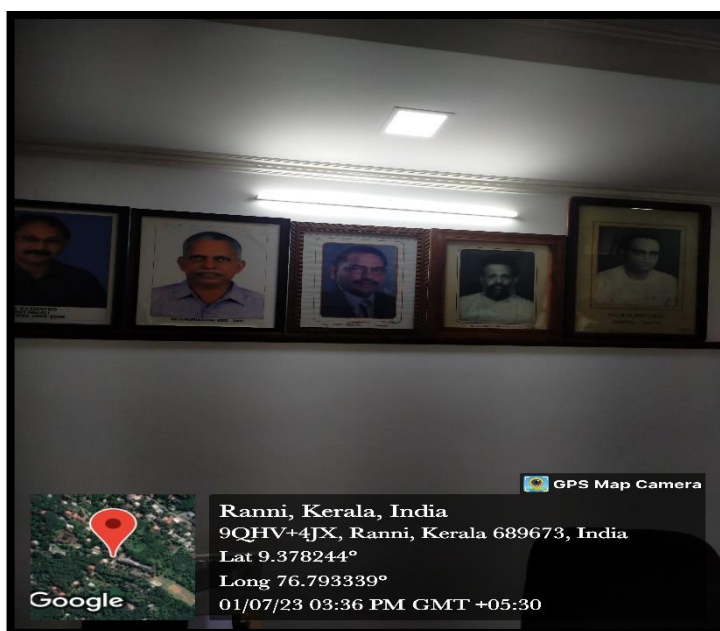
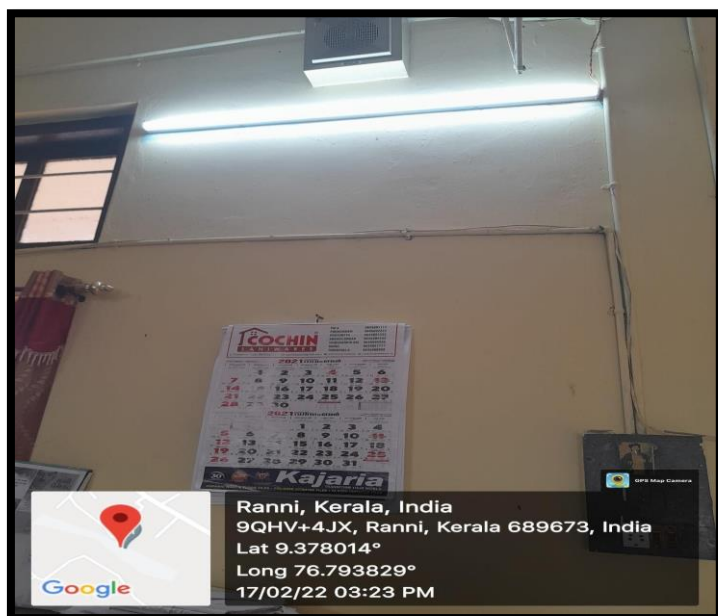
The college has installed biogas plant at the women's hostel to generate biomethane for culinary purposes. The resultant substrate derived from this process is used as organic fertiliser.





LED LIGHTING SYSTEM

LED bulbs are widely used in the Main Block, MIT Block (Naalukettu) and Vayala Idiculla Memorial Block as a proactive measure towards energy conservation. Furthermore, the college administration aims transition to 100% LED lighting in the future.





SENSOR BASED EQUIPMENTS

PUNCHING MACHINE

The college has installed a sensor-based punching machine at the office entrance, specifically designed to ensure the accurate recording of attendance for both teaching and non-teaching personnel.



SENSOR LAMP



The college has installed sensor-based outdoor lighting facility in the MIT block (Naalukettu) with the primary objectives of enhancing security measures and optimizing energy consumption.



FACILITIES FOR MANAGEMENT OF DEGRADABLE & NON-DEGRADABLE WASTE

SOLID WASTE MANAGEMENT

PIPE COMPOST:



The college has installed pipe compost units within the MIT Block (Naalukettu), aiming to effectively manage degradable food waste by transforming it into manure which is used for farming purpose.

BIOGAS PLANT:



The college has implemented biogas facility at the women's hostel to generate biomethane for culinary purposes. The resultant substrate derived from this process is used as organic fertiliser.



VERMICOMPOST UNIT:



The college utilises a vermicompost unit situated within its premises to facilitate the decomposition process of food waste, organic waste, and other biodegradable materials. The resulting compost serves as valuable manure for vegetable garden

FOUR-COMPARTMENT PLASTIC & PAPER WASTE DISPOSAL UNIT:

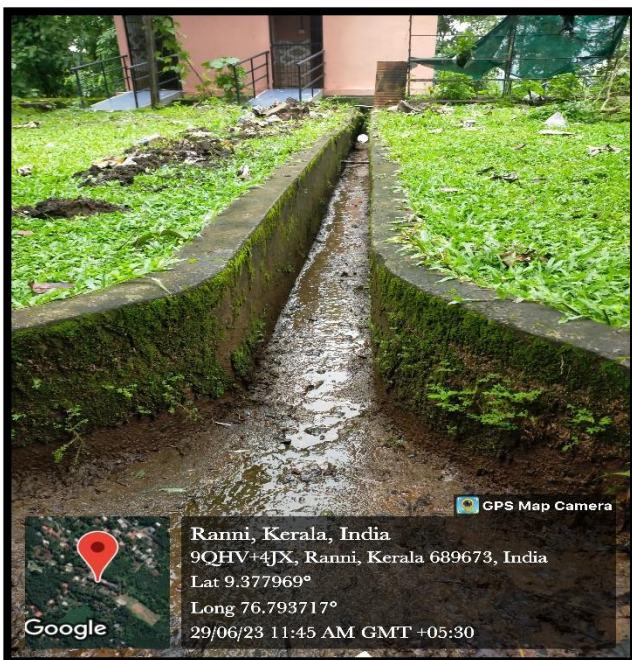


For plastic and paper waste management the institution has signed an agreement with District Suchitwa Mission. A four-compartment waste disposal unit- “Collectors at School”- donated by the Mission is installed in the college. The plastic and paper waste thus collected are shifted to non-hazardous waste disposal units run by the Pazhavangadi Panchayath.



LIQUID WASTE MANAGEMENT

WATER DRAINAGE CANAL:



Water drainage canal in the campus to facilitate proper liquid waste management.

WATER DRAINAGE PIPE:



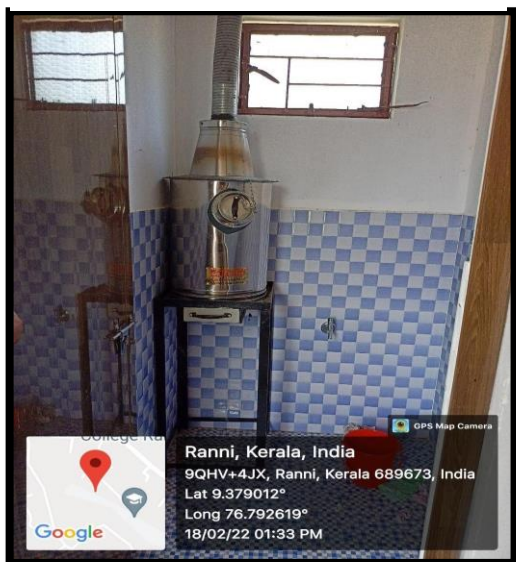
Water drainage pipelines are installed in the campus infrastructure to facilitate the management of liquid waste.



BIOMEDICAL WASTE MANAGEMENT

INCINERATOR:

NON-ELECTRIC INCINERATOR



ELECTRIC INCINERATOR



The college has installed two incinerators (electric and non-electric) to dispose sanitary napkins in an environmentally sustainable manner. This system effectively contributes to the cleanliness of the campus and ensures a garbage-free environment.

E-WASTE MANAGEMENT

E-WASTE STORAGE ROOM:

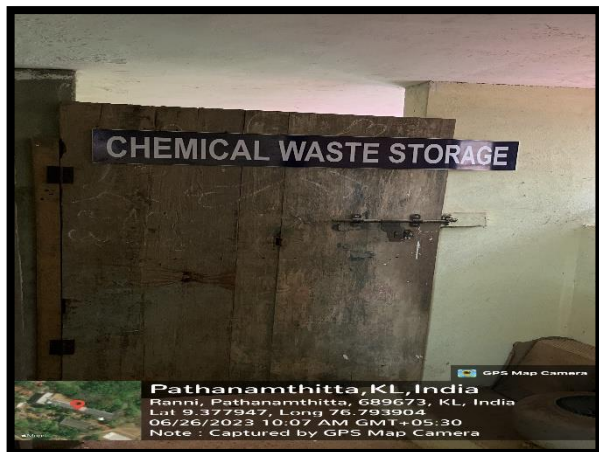


The college possesses a room for the storage of unwanted electronic devices and other accessories.



CHEMICAL WASTE MANAGEMENT

CHEMICAL WASTE STORAGE ROOM:



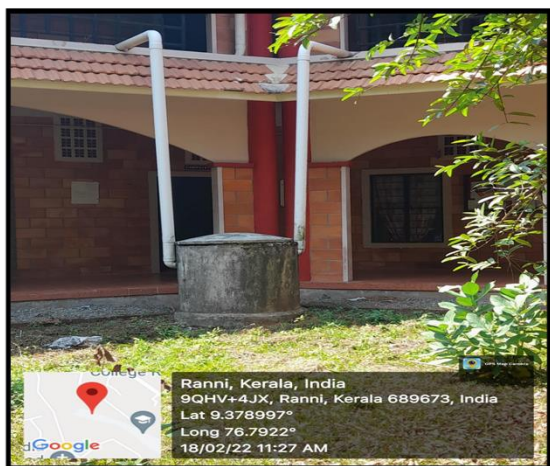
Adjacent to the Chemistry laboratory, a room has been allocated for the purpose of housing chemical waste generated within the confines of said laboratory.



FACILITIES FOR WATER CONSERVATION

RAINWATER HARVESTING UNITS

Rainwater harvesting units are installed in the MIT Block (Naalukettu), Main Block and Vayala Idiculla Memorial Block to facilitate the collection and storage of rainwater, preventing its runoff.



MIT Block (Naalukettu)



Main Block

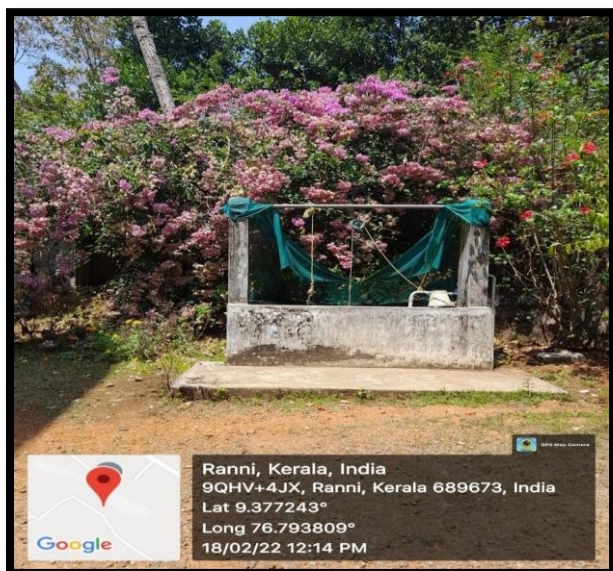


Vayala Idiculla Memorial Block

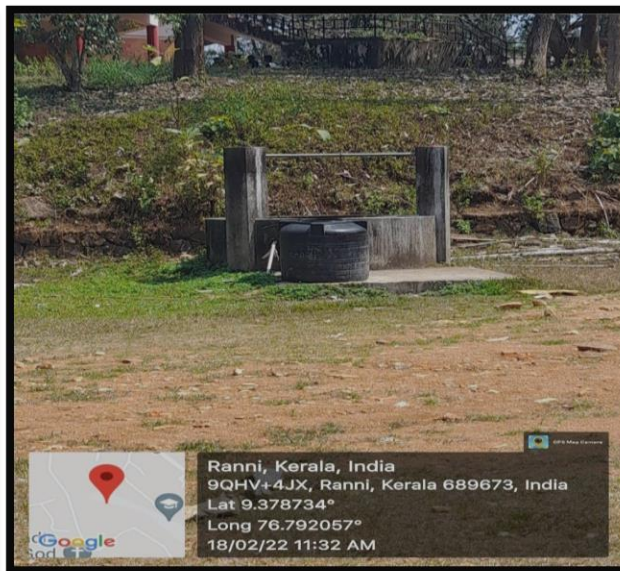


OPEN WELL

Open wells in the premises of the Main Block, Ladies' Hostel and Vayala Idiculla Memorial Block serve as natural reservoirs for the storage and supply of water.



Open Well in Ladies Hostel



Vayala Idiculla Memorial Block

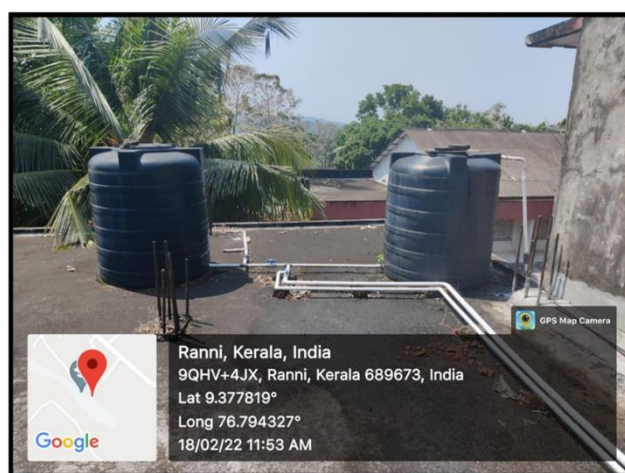
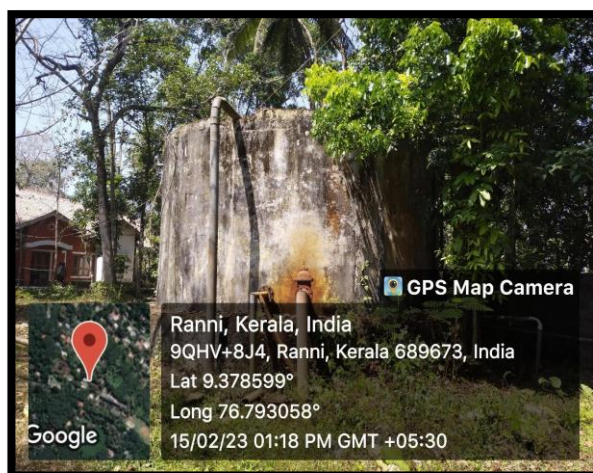
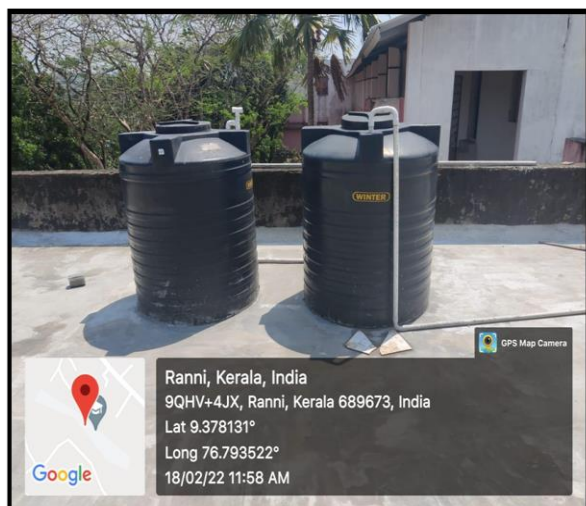


Main Block



WATER TANKS

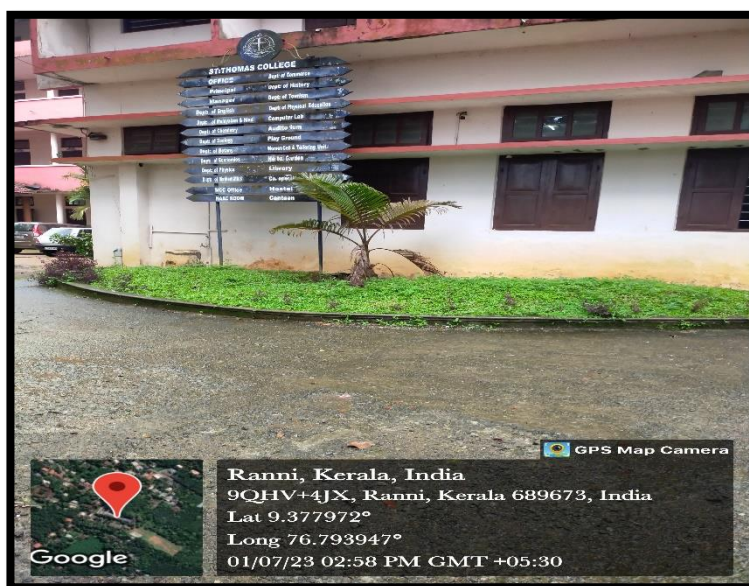
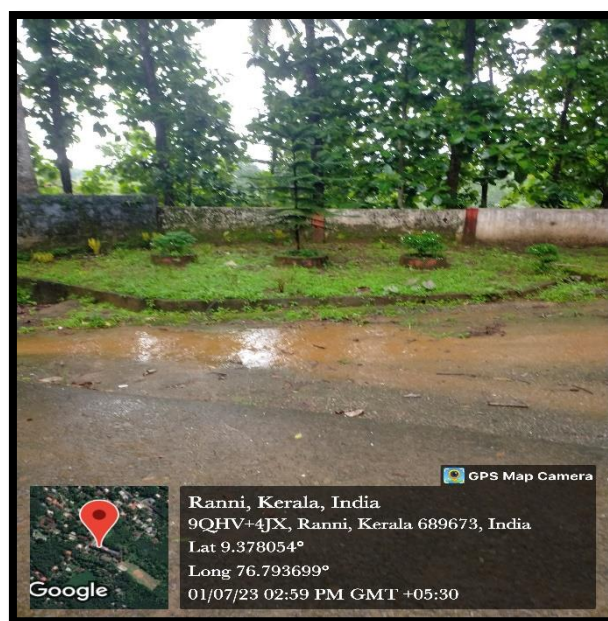
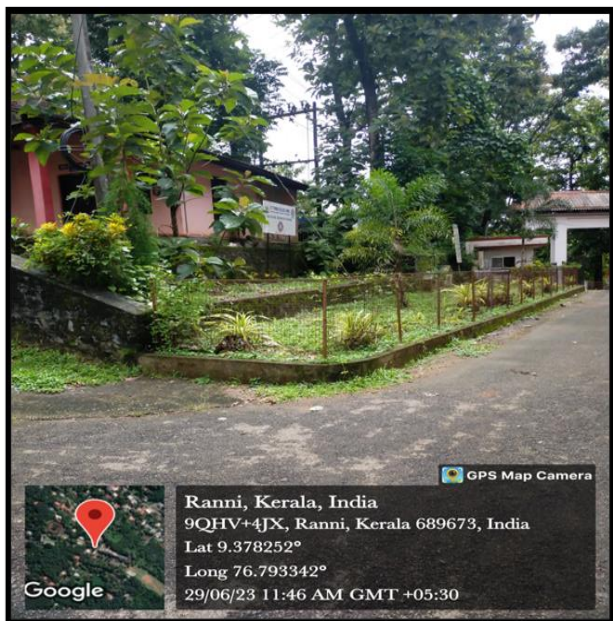
Water Tanks are placed on the rooftops of the Main Block, Ladies' Hostel, Vayala Idiculla Memorial Block, MIT Block (Naalukettu) and many other parts of the college to collect and conserve maximum amount of water.





CONSTRUCTION OF BUNDS

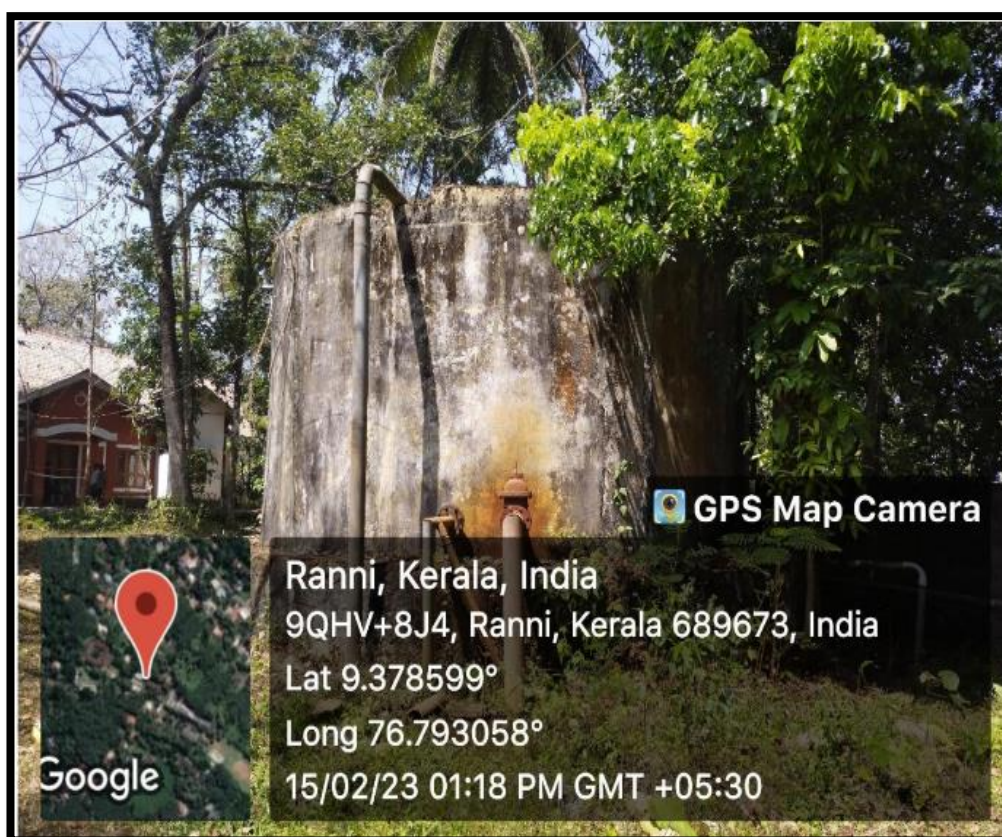
Several bunds have been erected within the campus premises with the primary objective of water conservation.





FACILITY FOR STORING AND DISTRIBUTION OF WATER

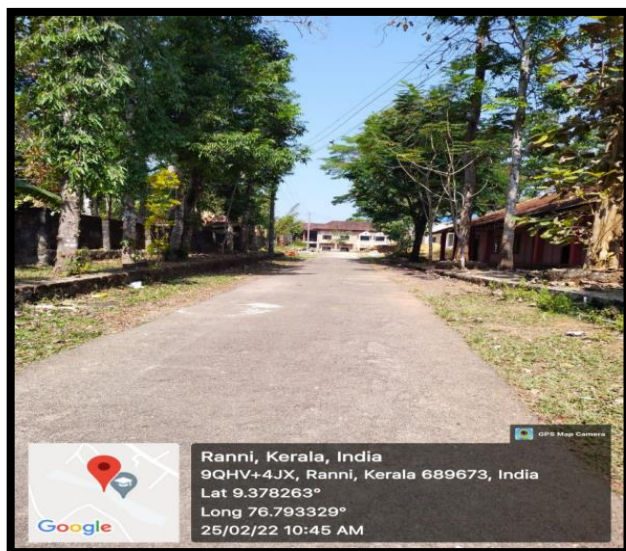
The facility for storing and distribution of water maintained by the college is used for preserving water provided by Kerala Water Authority. The water thus collected is distributed to the various collection points inside the campus and to the public as well.



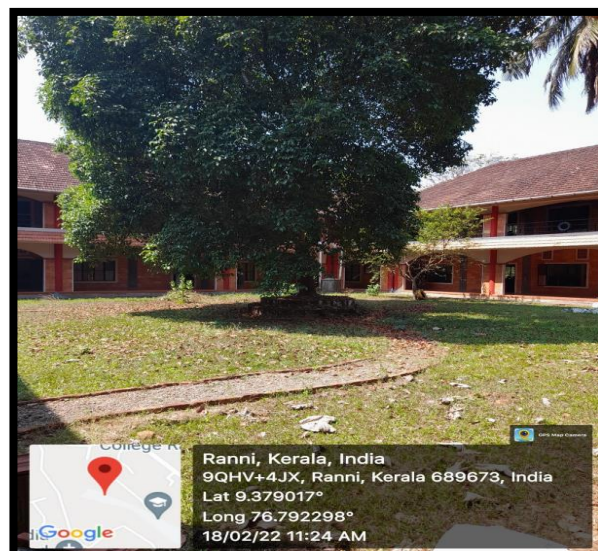


GREEN CAMPUS INITIATIVES

The institution has implemented a series of initiatives aimed at preserving the environmental aesthetics of its campus. These measures encompass the establishment of pedestrian-friendly pathways and the incorporation of tree and plant landscaping throughout the campus grounds. Prohibition of vehicular access within the campus confines has been enforced, with a designated parking facility conveniently located outside the campus area. Furthermore, concerted efforts have been made to guarantee a campus environment free from the presence of plastic materials.



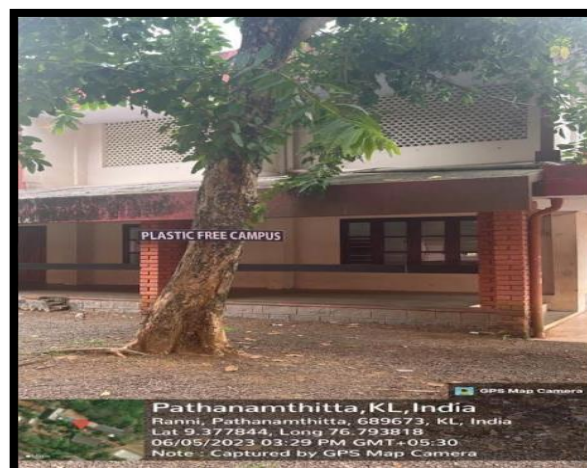
PEDESTRIAN FRIENDLY PATHWAY



LANDSCAPING WITH TREES AND PLANTS



RESTRICTED ENTRY OF AUTOMOBILES



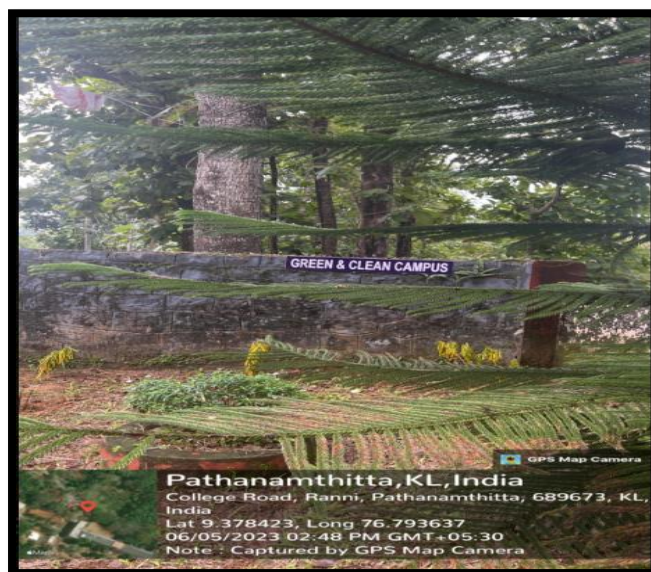
PLASTIC-FREE CAMPUS



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PARKING AREA OUTSIDE THE CAMPUS

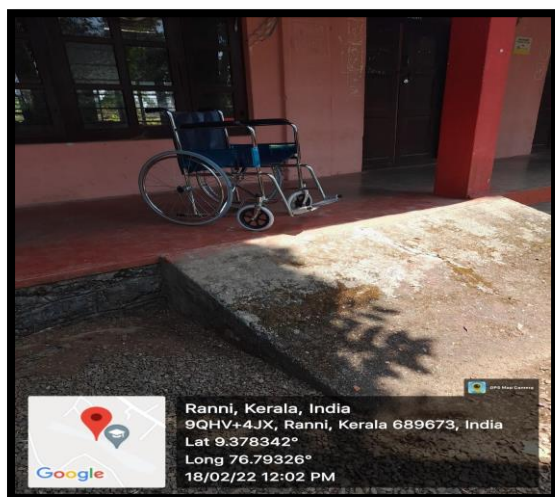


GREEN & CLEAN CAMPUS

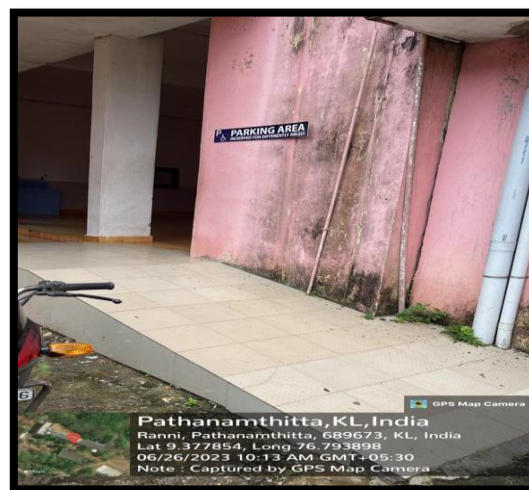


DIVYANGJAN-FRIENDLY FACILITIES

The college has implemented a highly inclusive environment, ensuring the provision of a supportive infrastructure for both students and staff with disabilities. This infrastructure includes wheelchair accessibility, ramps, railings, disabled-friendly washrooms, signage boards, and designated parking areas. Additionally, the college library offers specialized NVDA (Non-Visual Desktop Access) software to assist visually impaired individuals. Students with disabilities receive personalized care and assistance from both faculty and fellow students. Moreover, scribe facilities are readily available during examinations to cater to the specific needs of individuals requiring such support.



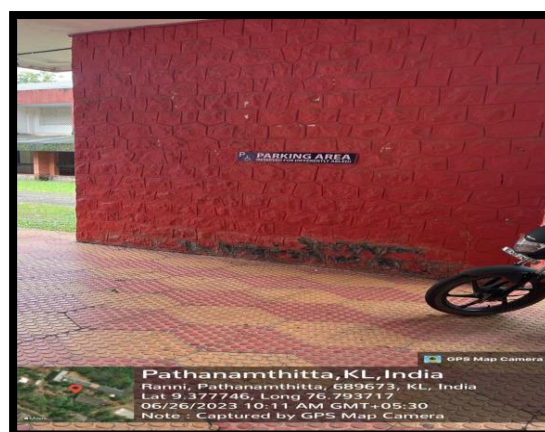
WHEEL CHAIR



RAMP



PARKING AREA RESERVED FOR THE DISABLED (MIT Block)



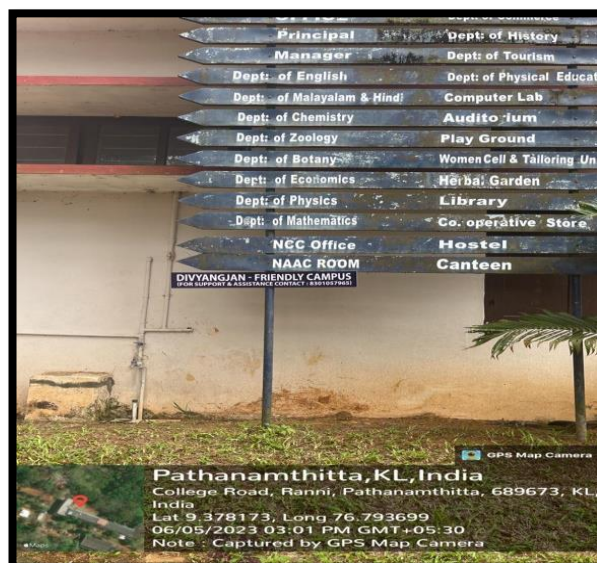
PARKING AREA RESERVED FOR THE DISABLED (Main Block)



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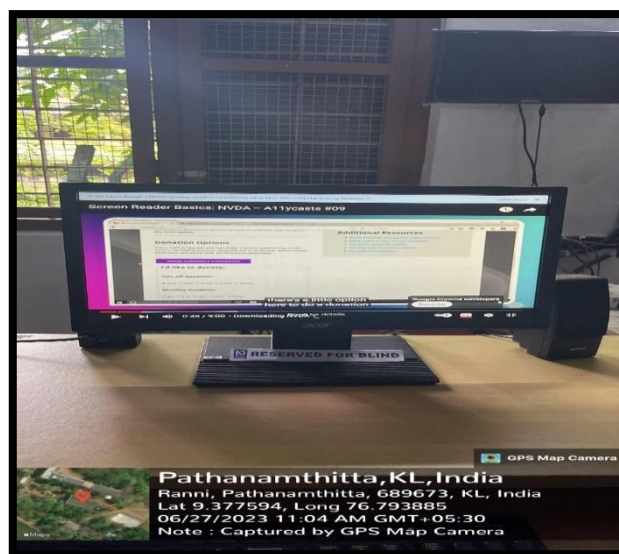
DISABLED FRIENDLY WASH ROOM



SIGNAGE BOARDS



RAILINGS

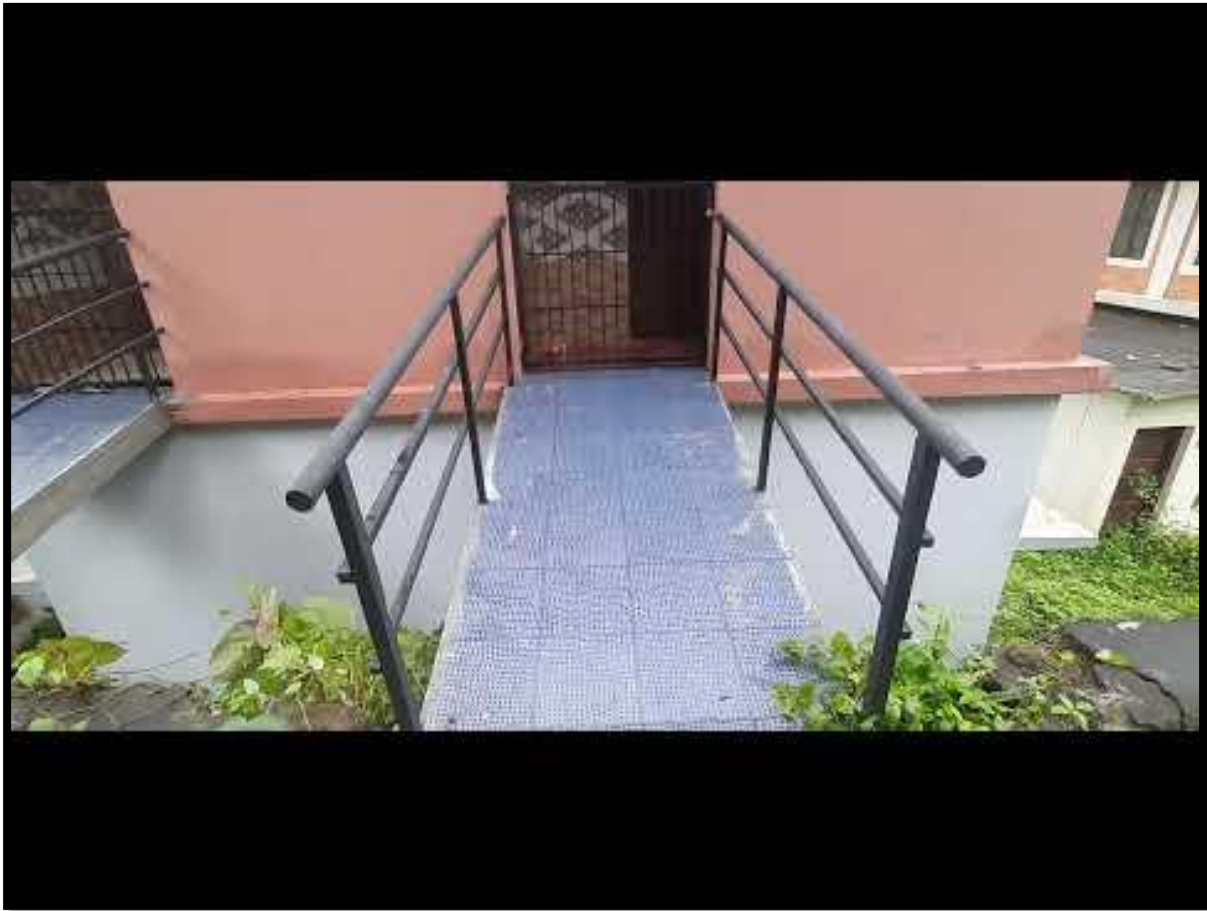


NVDA SOFTWARE



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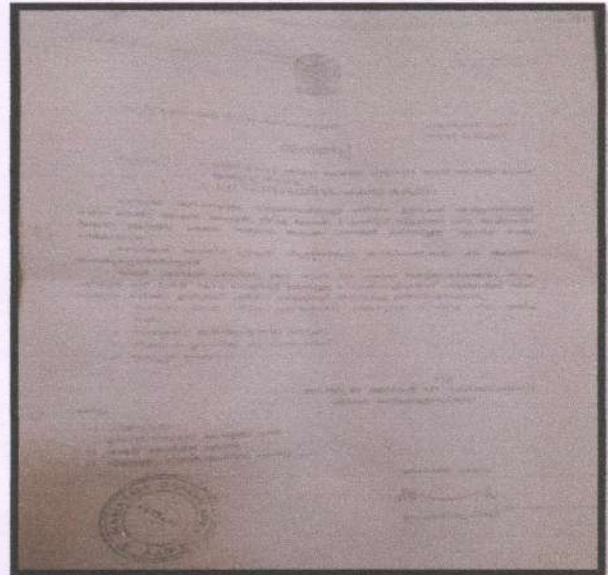
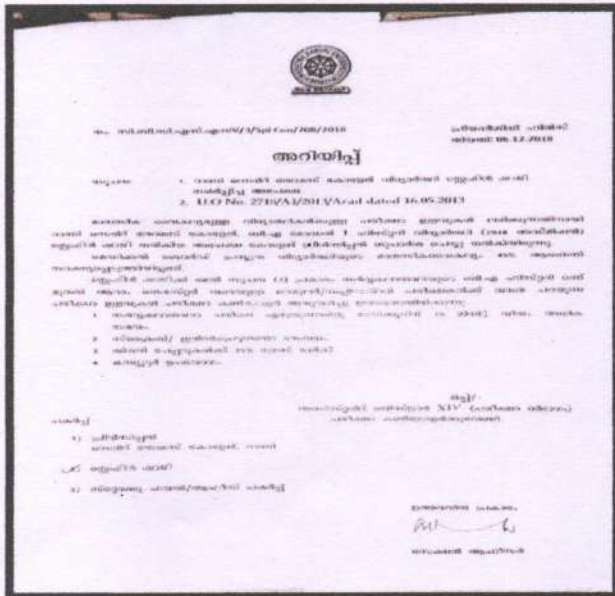
RAILINGS FACILITY FOR DIVYANGJAN





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UNIVERSITY ORDER FOR SCRIBE FACILITY (Samples)




Principal
St. Thomas College
Pazhavangadi P.O., Ranni