RAJAGIRI VISWAJYOTHI
COLLEGE OF ARTS AND APPLIED SCIENCES
VENGOOR , PERUMBAVOOR KERALA- 683546
An ISO 9001 : 2015 Certified Institution
Affiliated to Mahatma Gandhi University, Kottayam | Approved by AICTE

CRITERION 7
INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 Institutional Values and Social Responsibilities

2019-2024 Submitted to NAAC

+91 9048056118 www.rajagiriviswajyothi.org office@rajagiriviswajyothi.org

7.1.2 Reports on Water Conservation Measures

Water Conservation Initiatives

Rajagiri Viswajyothi College of Arts & Applied Sciences is deeply committed to water conservation through a multifaceted approach aimed at enhancing efficiency and minimizing waste. The college routinely inspects and repairs taps and water outlets to address leaks promptly. To ensure access to safe drinking water, a dedicated purification system is in place. Additionally, the college maintains two open wells and employs a rainwater harvesting system. The collected rainwater is used for cultivating organic crops on campus, which not only supports sustainable agriculture but also aids in replenishing groundwater levels and preventing waste. The campus also features numerous trees, a man-made water body called Open Recharge Pit, and a pond, Waterscape, all contributing to effective water management. Furthermore, the Periyar Valley Canal flows through the campus, ensuring a consistent and reliable water supply while preventing water scarcity. These integrated initiatives reflect the college's steadfast commitment to environmental conservation and sustainable practices.

1. Rainwater Harvesting

Rajagiri Viswajyothi College is committed to environmental sustainability through its innovative **Rainwater Harvesting System**. This initiative captures and channels rainwater from the roofs of campus buildings into an underground storage pit, effectively integrating water conservation into the college's green practices. By capturing rainwater, the college not only conserves valuable water but also mitigates soil erosion, protecting the campus landscape from runoff. Additionally, this system helps lower utility costs by providing an alternative water source for irrigation and other non-potable uses.

Underground Rainwater Harvesting Pit

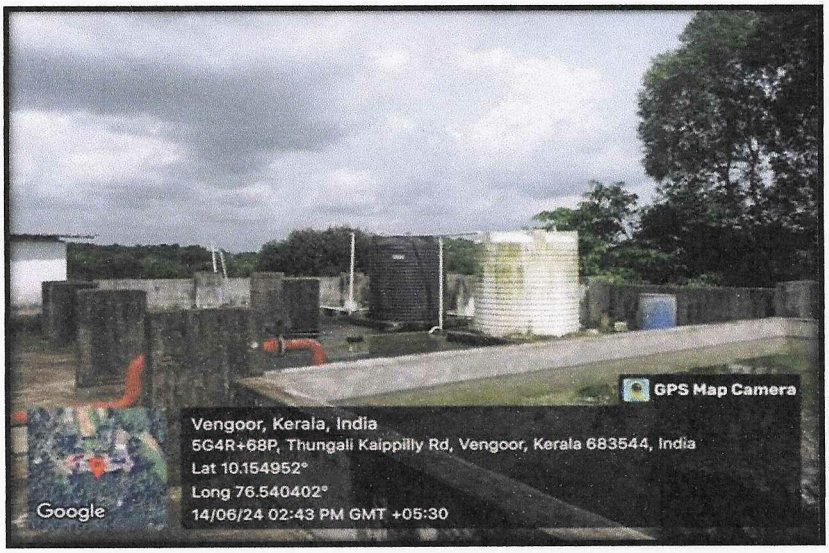
2. Open Wells

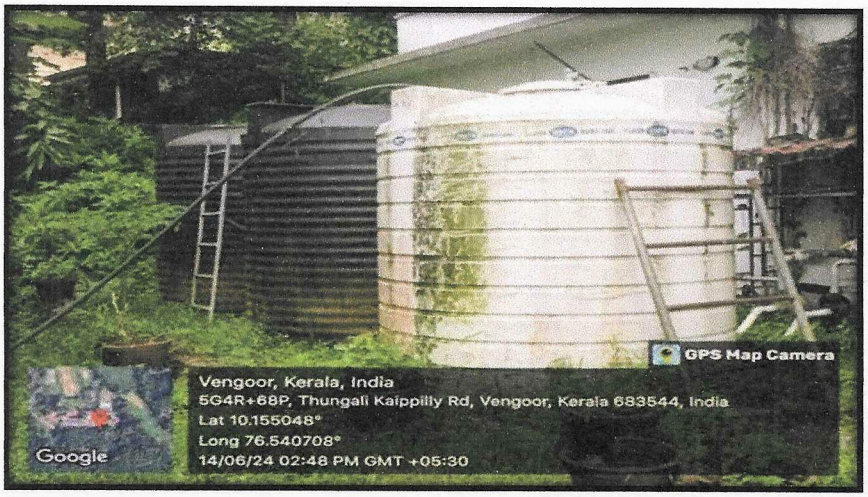
At Rajagiri Viswajyothi College of Arts & Applied Sciences,Vengoor, we have two **Open Wells** strategically located within the campus. These wells have been integral in providing access to natural groundwater for various purposes such as drinking water, irrigation, and daily consumption.

Open Wells on Campus

3. Water Tank

Rajagiri Viswajyothi College of Arts & Applied Sciences utilizes **Water Tanks** to efficiently collect and store well water, significantly enhancing its water management and sustainability efforts. These tanks facilitate the accumulation and conservation of water, thereby reducing dependence on external and public water supplies. By implementing these water storage solutions, the college aligns with its sustainability objectives, promotes responsible water usage, and demonstrates a strong commitment to environmental stewardship.





Water Tanks Situated on the Rooftops of the Main Building and Hostel Premises.

4. Water Purifier

Water Purifiers on campus play a crucial role in ensuring the health and well-being of students, faculty, and staff. Given the increasing concerns about water quality and safety, Rajagiri Viswajyothi College of Arts & Applied Sciences, have installed water purifiers at strategic locations throughout the campus. These purifiers are designed to remove contaminants, harmful microorganisms, and impurities from the water, providing clean and safe drinking water for everyone. The use of water purifiers aligns with the college's commitment to sustainability and public health. Additionally, the availability of purified water reduces the reliance on single-use plastic bottles, supporting the college's plastic-free initiative and promoting eco-friendly practices.

Water Purifier on Campus

5. Periyar Valley Canal

Situated near the **Periyar Valley Canal**, Rajagiri Viswajyothi College of Arts & Applied Sciences benefits from a range of environmental, recreational, and educational advantages. Although the region is arid despite its abundant grain resources, the college faces considerable water demands due to its agrarian surroundings. The regular flow of water in the canal during the summer helps alleviate water scarcity issues for the college.

Periyar Valley Canal Flowing Through the Campus

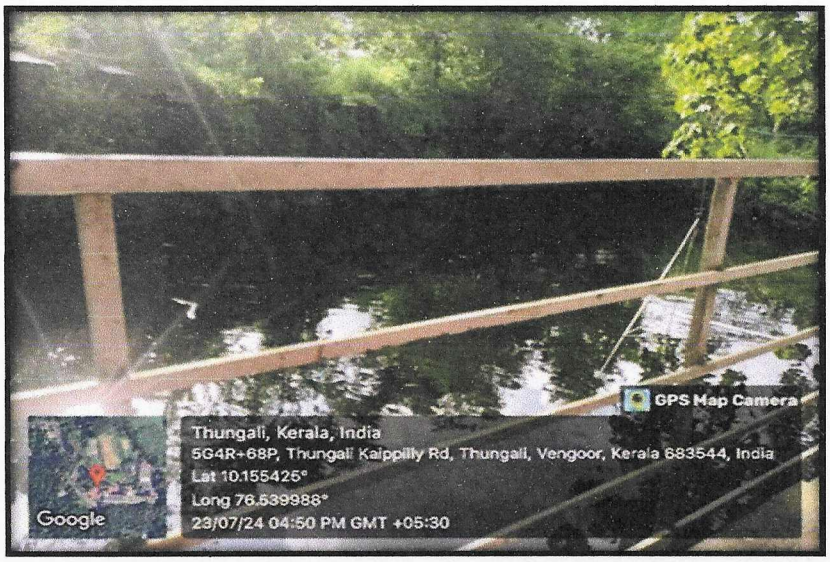
6. Open Water Recharge Pit

At Rajagiri Viswajyothi College of Arts & Applied Sciences, a rainwater harvesting system effectively channels water from the rooftops to a campus pond. This innovative approach maximizes the collection of rainwater runoff, directing it into the pond where it is stored and utilized. The pond serves as a crucial reservoir, supporting irrigation needs and maintaining the campus's green spaces. The Open Water Recharge Pit, a strategically designed man-made water body, captures additional rainwater, further enhancing the college's ability to manage and conserve water. Together, these systems not only facilitate sustainable water use but also contribute to reducing dependence on external water sources, exemplifying the college's commitment to efficient resource management.

Open Water Recharge Pit

7. Waterscape

At Rajagiri Viswajyothi College of Arts & Applied Sciences, a rainwater harvesting system effectively channels water from the rooftops to a campus pond called **Waterscape.** This innovative approach maximizes the collection of rainwater runoff, directing it into the pond where it is stored and utilized. The pond serves as a crucial reservoir, supporting irrigation needs and maintaining the campus's green spaces. The Open Recharge Pit, a strategically designed man-made water body, captures additional rainwater, further enhancing the college's ability to manage and conserve water. Together, these systems not only facilitate sustainable water use but also contribute to reducing dependence on external water sources, exemplifying the college's commitment to efficient resource management.



Waterscape on Campus

RAJAGIRI VISWAJYOTHI COLLEGE OF
KOMBAN
VENGO
PERUMB
683

PRINCIPAL
Rajagiri Viswajyothi College of
Arts & Applied Sciences
Vengoor, Perumbavoor-683 546