



Thunchath Ezhuthachan
Malayalam University

Water Policy



Introduction

Water is a precious and finite resource that is vital to life, ecosystems, and sustainable development. As an educational institution committed to environmental sustainability, Thunchath Ezhuthachan Malayalam University acknowledges its responsibility to conserve water, use it efficiently, and manage it sustainably across its campus. In a world where water scarcity is becoming increasingly prevalent, responsible water management is essential not only to reduce our ecological footprint but also to serve as a model for students, staff, and the wider community. The Water Policy of Thunchath Ezhuthachan Malayalam University is designed to ensure that water is used wisely and efficiently throughout the campus, from academic buildings and hostels to gardens and sports facilities. The policy emphasizes the importance of water conservation, efficient use, and sustainable management practices that align with the university's broader commitment to environmental protection and sustainability.

This policy serves as a framework for integrating water-saving practices into the daily operations of the university. It outlines specific strategies aimed at reducing water consumption, optimizing irrigation, harvesting rainwater, recycling greywater, and enhancing the overall management of water resources. By implementing these strategies, the university seeks to reduce its dependency on external water supplies, mitigate the impacts of water scarcity, and promote a culture of water stewardship among its community members. The university recognizes that education is a powerful tool in promoting sustainable practices. Therefore, this policy not only provides guidelines for water management but also includes provisions for raising awareness and educating students, faculty, and staff about the importance of water conservation. Through this policy, Thunchath Ezhuthachan Malayalam University aims to create a campus environment where water is valued, conserved, and managed sustainably, ensuring that this critical resource is available for future generations.

Efficient Use of Water:

The university is committed to optimizing the use of water across all campus facilities. The following measures will be implemented to enhance water efficiency:

- **Water-Efficient Fixtures:** Installation of water-saving fixtures such as low-flow taps, dual-flush toilets, and aerated showerheads to reduce water consumption without compromising functionality.
- **Regular Monitoring:** Continuous monitoring of water usage in all buildings, including academic blocks, hostels, and canteens, to identify areas of inefficiency and take corrective actions.
- **Leakage Prevention:** Prompt detection and repair of leaks through regular maintenance checks and reporting mechanisms to prevent water wastage.
- **Water Tank Sensors:** Installation of sensors in water tanks to monitor water levels and automate the refilling process, preventing overflow and ensuring efficient water use.

Water Conservation Measures:

To conserve water and ensure its sustainable use, the university will adopt the following conservation measures:

- **Rainwater Harvesting:** Implementation of rainwater harvesting systems to capture and store rainwater for various uses. This initiative will help reduce reliance on external water sources and enhance water availability during dry periods.
- **Greywater Recycling:** Exploration and implementation of greywater recycling systems that treat and reuse water from sinks, showers, and laundry for landscape irrigation and toilet flushing, thereby reducing the demand for fresh water.
- **Water Audits:** Conducting regular water audits to assess water usage patterns, identify inefficiencies, and recommend improvements to reduce overall water consumption.

Irrigation Management:

Effective irrigation management is crucial to minimizing water use in landscaping and agricultural activities on campus. The university will implement the following strategies:

- **Smart Irrigation Systems:** Installation of smart irrigation systems that utilize soil moisture sensors and weather data to optimize watering schedules, ensuring that plants receive the right amount of water at the right time.
- **Drip Irrigation:** Use of drip irrigation systems in gardens and agricultural plots to deliver water directly to the roots of plants, reducing evaporation and runoff.
- **Native and Drought-Tolerant Plants:** Preference will be given to planting native and drought-tolerant species that require less water and are better adapted to the local climate.

Awareness and Education:

The university will actively promote water conservation through educational programs, workshops, and campaigns aimed at raising awareness among students, faculty, and staff. These initiatives will focus on the importance of water conservation, practical water-saving tips, and the role of individuals in contributing to the university's water sustainability goals.

Monitoring and Evaluation:

The implementation of the Water Policy will be overseen by the Green Protocol Officer, in collaboration with relevant departments. Regular assessments will be conducted to evaluate the effectiveness of the policy, monitor water usage, and ensure adherence to the guidelines. The installation of sensors in water tanks will also be monitored to ensure they are functioning properly and contributing to water efficiency.