



Water Reuse Policy

1. Introduction

Adichunchanagiri University is committed to sustainable water resource management by promoting water reuse, reducing consumption, and fostering environmental stewardship. This policy integrates water reuse practices into daily operations, new developments, and research initiatives across all university campuses, including academic, administrative, residential, and recreational areas. It applies to all stakeholders, including faculty, students, staff, and facility management teams, in alignment with the University Grants Commission (UGC) guidelines for sustainable practices in Indian higher education institutions.

2. Purpose

The purpose of this policy is to establish a framework for maximizing water reuse to achieve the following objectives:

- a. Sustainability: Reduce reliance on freshwater by utilizing treated wastewater and harvested rainwater for non-potable purposes.
- b. Resource Efficiency: Minimize water consumption through improved infrastructure, behavioral changes, and advanced technologies.
- c. Environmental Protection: Reduce the university's environmental footprint by minimizing wastewater discharge and protecting local water bodies.
- d. Cost Efficiency: Lower costs related to water supply, wastewater treatment, and storm water management.

3. Definitions

- a. Water Reuse: The process of treating and reusing wastewater or grey water for non potable applications.
- b. Grey water: Water from sources such as sinks, showers, and washing machines, suitable for reuse after treatment.
- c. Wastewater: Water generated from domestic or institutional activities requiring treatment before reuse or disposal.
- d. Rainwater Harvesting: Collection and storage of rainwater for non-potable uses such as irrigation and flushing.



4. Policy Principles

- a. Water Conservation: Promote awareness and practices to reduce water wastage through educational campaigns and efficient water use.
- b. Reuse Systems: Encourage the installation of Grey water recycling and wastewater treatment systems to support non-potable applications like irrigation and toilet flushing.
- c. Sustainable Infrastructure: Incorporate water reuse systems in new constructions and retrofit existing buildings with dual plumbing and smart metering.
- d. Training and Awareness: Conduct regular workshops, seminars, and campaigns to educate the university community on water reuse and conservation.
- e. Supply Chain Collaboration: Partner with vendors and service providers to adopt sustainable water management practices.
- f. Monitoring and Evaluation: Regularly monitor and report water usage and reuse practices to ensure compliance and effectiveness.
- g. Community Engagement: Involve students, faculty, and staff in water reuse projects to foster a culture of sustainability

5. Implementation Strategies

The implementation of the Water Reuse Policy at Adichunchanagiri University will focus on the following strategies:

- a. Rainwater Harvesting: Install rainwater harvesting systems across campus for non potable uses such as landscaping and flushing.
- b. Wastewater Treatment & reuse: Collaborate with local authorities, environmental organizations to establish on-campus wastewater treatment facilities and reuse in irrigation and toilet flushing.
- c. Infrastructure Upgrades: Conduct campus-wide audits to identify priority areas for installing dual plumbing systems, smart meters, and water-efficient fixtures.
- d. Research and Innovation: Encourage research on water reuse technologies through partnerships with industry and environmental organizations.
- e. Education and Awareness: Launch campaigns to educate the university community on water conservation and the benefits of reuse. The implementation will begin with pilot projects, followed by campus-wide adoption and monitoring to achieve full-scale wastewater recycling.

6. Application Areas

- a. Campus Landscapes: Utilize treated waste water for irrigation of green spaces, gardens, and sports fields.
- b. Toilet Flushing: Implement waste water recycling systems for toilet flushing in academic, administrative, and residential buildings.
- c. Wastewater Treatment: Establish and maintain wastewater treatment plants to ensure safe



and effective reuse of water.

7. Monitoring and Reporting

The university's Estate and Technical Department will oversee the implementation of the water reuse policy for 3 years (2024-27). Annual water usage and reuse reports will be prepared to evaluate the effectiveness of the policy and identify areas for improvement. Data on water consumption, reuse volumes, and cost savings will be documented and shared with stakeholders.

8. Review and Update

This policy will be reviewed to ensure alignment with UGC guidelines, environmental regulations, and the university's sustainability goals. Updates will be communicated to all stakeholders through the university website (www.acu.edu.in), official notifications, and orientation programs. Regular information sessions will be conducted to keep the community informed and engaged.

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