



**ADMINISTRATION DIRECTORATE**  
**WATER CONSERVATION POLICY**

**NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH)**  
**ISLAMABAD, PAKISTAN**

# **ADMINISTRATION DIRECTORATE**

## **WATER CONSERVATION POLICY**

1. **General.** To implement sustainable water use practices across the university, minimize water waste, and promote a culture of conservation to ensure long-term environmental and financial sustainability.
2. **Aim.**
  - a. Reduce overall water consumption by a set target including water reuse structure.
  - b. Improve water efficiency in campus facilities and landscaping.
  - c. Promote education and awareness of water conservation practices.
  - d. Encourage the use of alternative water sources such as rainwater harvesting.
  - e. Comply with local and national water use Policy.
3. **Guidelines.** Following are guidelines for continuously water conservation/ reuse practices.
  - a. **Water Usage Within Building.**
    - (1) **Low-flow Fixtures.** Install low-flow taps, showers, and toilets in all university buildings.
    - (2) **Sensor-based Faucets.** Use sensor-activated faucets in public restrooms and high-traffic areas to minimize water waste.
    - (3) **Repair/ Maintenance.** regular inspection for any leak damage pipe/sanitary fitting and awareness within premises to inform ADM office of any issue if noticed.
    - (4) **Display of Instructions.** Instructions for conservation of water be displayed in washroom
  - b. **Water Conservation and Landscaping.**
    - (1) **Drought-tolerant Plants.** Implement xeriscaping and prioritize native, drought-resistant plants to reduce irrigation needs.
    - (2) **Smart Irrigation Systems.** Install weather-based irrigation controllers and drip irrigation systems to water plants efficiently and minimize evaporation.

(3) **Rainwater Harvesting.** Utilize rainwater harvesting systems for irrigation and non-potable water uses such as toilets or cooling systems.

(4) **Greywater Recycling.** Explore systems that recycle greywater from sinks and showers for use in landscaping and non-potable applications.

c. **Awareness and Education.**

(1) **Water Audits.** Conduct annual water audits to assess consumption levels, identify inefficiencies, and track progress toward conservation goals.

(2) **Smart Meters.** Install smart water meters to monitor real-time water usage across campus and quickly address areas of high consumption

(3) **Reporting System.** Establish a system for reporting leaks or water-related issues through an app or online platform accessible to students and staff.

d. **Benchmarking and evaluation.**

(1) **Responsibility.** The university's sustainability office, in collaboration with the facilities management team, will be responsible for the implementation, monitoring, and updating of this policy.

(2) **Incentives and Penalties.** Introduce incentives for departments or dormitories that meet water-saving goals and penalties for excessive water waste.

e. **Continuous Improvement.** Review and update the water conservation policy every two years to reflect advancements in technology, new regulations, and feedback from the campus community.