



POLICY FOR MAXIMIZING WATER REUSE ACROSS JSS AHER

Objective: JSS Academy of Higher Education & Research (JSS AHER) is committed to promoting sustainable water management by maximizing water reuse across its campuses. This policy outlines the institution's approach to conserving and efficiently utilizing water resources.

1. Rainwater Harvesting:

- JSS AHER will implement rainwater harvesting systems across its campuses to capture and store rainwater for non-potable uses. These systems will be designed to collect rainwater from rooftops and other surfaces and channel it into storage tanks.
- Example: JSS AHER installs rainwater harvesting systems on the rooftops of campus buildings to collect rainwater. This harvested water is then stored in underground tanks and later used for landscape irrigation and flushing toilets.

2. Greywater Recycling:

- The institution will invest in greywater recycling systems that treat wastewater from sinks, showers, and laundry for reuse in flushing toilets and landscape irrigation. Greywater recycling helps reduce the demand on freshwater sources.
- Example: JSS AHER implements greywater recycling systems in residential facilities. Wastewater from showers and sinks is treated and reused for toilet flushing, reducing the demand on freshwater for non-potable purposes

3. Sewage Treatment Plants (STP):

- JSS AHER will maintain and expand sewage treatment plants to treat wastewater generated on its campuses. Treated water will be reused for non-potable purposes, such as gardening and cooling systems.
- Example: JSS AHER operates STPs to treat sewage from campus facilities. The treated water is repurposed for maintaining green spaces and gardens across the campus.

4. Effluent Treatment Plants (ETP):

- Where applicable, ETPs will be established to treat industrial effluents and ensure the safe reuse of treated water within campus facilities.
- Example: JSS AHER establishes an ETP for its research laboratories to treat chemical effluents. The treated water is safely reused within the labs for experiments and cooling systems.

5. Water Quality Assurance:

- The quality of treated and recycled water will be regularly tested to ensure compliance with health and safety standards, promoting safe and responsible water reuse.
- Example: Regular water quality testing is conducted to ensure that the treated and recycled water meets health and safety standards. This practice guarantees that reused water is of the required quality.

6. Irrigation Systems:

- Efficient irrigation systems, including drip irrigation and smart controllers, will be employed to optimize water use in landscaping and agriculture.
- Example: JSS AHER invests in advanced drip irrigation systems for its botanical garden. These systems efficiently deliver treated water to plants' roots, reducing water wastage in landscaping.

7. Educational Initiatives:

- JSS AHER will launch educational campaigns to inform the campus community about the importance of water reuse and encourage responsible water use behaviors.
- Example: JSS AHER launches an awareness campaign educating students and staff about the importance of water reuse. Seminars and workshops are organized to promote responsible water use on campus.

8. Monitoring and Reporting:

- The institution will establish a water reuse monitoring system to track the volume of reused water and assess the effectiveness of these measures. Regular reports will be generated to share progress with stakeholders.
- Example: The institution establishes a water reuse monitoring system that tracks the volume of water recycled and reused. Regular reports are generated and shared with the campus community, demonstrating progress in water conservation.

9. Compliance with Regulations:

- JSS AHER will strictly adhere to local and national water reuse regulations and standards, ensuring responsible and compliant water management practices.
- Example: JSS AHER adheres to all local and national regulations related to water reuse, ensuring that its practices meet or exceed the required standards for responsible water management.

10. Continuous Improvement:

- The institution is committed to seeking innovative technologies and best practices to further enhance water reuse efforts and minimize the environmental impact.
- Example: JSS AHER continuously explores new technologies and best practices to enhance water reuse efforts. For instance, the institution considers investing in advanced filtration systems to further improve water quality for reuse.

11. Community Engagement:

- JSS AHER will engage with the campus community, local residents, and relevant stakeholders to foster a culture of water conservation and sustainable water management.
- Example: JSS AHER actively involves students and staff in water conservation initiatives. The institution collaborates with local communities to raise awareness and create a shared commitment to responsible water management.

By implementing this policy, JSS AHER aims to reduce its reliance on freshwater sources, lower the environmental impact of water consumption, and contribute to a more sustainable and responsible water management system across its campuses.