



Chhatrapati Shahu Ji Maharaj University  
Kanpur  
(A Uttar Pradesh State University)

# Water Management Policy



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## Introduction

CSJMU recognizes the importance of water management for sustainable development and has therefore established a Water Management Policy. The overall purpose of this policy is to ensure that all water resources on campus are efficiently and effectively managed to support the university's goals of teaching, research, and community engagement.

The policy outlines specific objectives and strategies to reduce water consumption and waste, promote conservation, and maintain optimal water quality. It also sets guidelines for the responsible use of water on campus, including measures to minimize water usage in landscaping, building operations, and academic research.

The university community, including faculty, staff, and students, are expected to actively participate in the water management program by following guidelines for efficient water usage and reporting incidents of waste or misuse.

Education and outreach are also the key components of the Water Management Policy, with regular training and communication efforts to raise awareness of the importance of water conservation and sustainability on campus.

The University has made efforts to ensure water conservation and water harvesting following the 3R Principle- Reduce, Reuse and Recharge.

With this policy, the University is committed to promoting responsible water management and conservation practices, in order to preserve our precious natural resources for future generations.

## Objectives

1. Ensuring sustainable use of water resources by promoting conservation and efficient use of water within the campus.
2. Developing a comprehensive water management plan that includes monitoring, assessment, and management of water sources and treatment of wastewater.
3. Encouraging the use of alternative water sources like rainwater harvesting, ground water recharge, and grey water recycling.
4. Ensuring compliance with relevant environmental laws and regulations related to water management.
5. Educating staff, students, and other stakeholders on the importance of water conservation and efficient use of water.
6. Encouraging research and development in the field of water management.

7. Developing partnerships with local communities, government agencies, and other organizations to coordinate efforts to manage water resources.
8. Creating awareness about the cost-effectiveness of water conservation projects among students and local communities.
9. Ensuring transparency and accountability in the implementation and monitoring of the water management policy.

## Initiatives

### RainWater Harvesting

Rainwater harvesting is the process of collecting and storing rainwater for later use. It is a sustainable and eco-friendly approach to meet water demands. The collected rainwater can be used for various purposes such as irrigation, household use, livestock watering, and groundwater recharge.

*The university has established 34 Rain water harvesting systems in its campus to recharge the ground water.*



### Water recycling and reuse

Water recycling and reuse refers to the process of treating and reusing wastewater for various purposes. This process involves collecting and treating wastewater from different sources such as domestic, agricultural, and industrial sources. The treated wastewater is then used for non-potable purposes such as irrigation, industrial processes, and toilet flushing etc.

The aim of water recycling and reuse is to minimize the demand for fresh water and reduce the pressure on limited fresh water resources.

*To minimize the demand of fresh water and to recycle the waste water CSJMU has implemented systems to recycle and reuse wastewater generated on campus, such as from restrooms and other facilities, for non-potable uses like irrigation, cleaning, and flushing toilets. Water treated from the Sewage treatment plants is being used for irrigation purposes.*

*Incompliance with the principle of reuse, potted plants have been placed below the outlets of Air conditioners and water purifiers to ensure least water wastage as well as the beautification of the campus*



### Efficient water fixtures

Water efficient fittings are fixtures that are designed to optimize water usage in homes and commercial buildings. These reduce the amount of water consumed during daily use. Water-efficient fittings are important in water conservation efforts as they help in reducing water waste and lower utility bills. Most of the water consumption by the end users through faucets/stop cocks, valves, flushing cisterns & urinals etc. It is essential to choose such designs of sanitary fittings and fixtures, which are efficient in water consumption.



The university has replaced inefficient water fixtures like stop cocks, faucets, valves, flushing cisterns etc. with low-flow or water-saving models, which have significantly reduced water consumption.

### Water conservation campaigns

CSJMU is running campaigns to raise awareness among students, faculty, and staff about the importance of water conservation and ways they can save water in their daily lives. Volunteers of NSS & Students are creating awareness in society about water conservation.

### Research and innovation:

The University is encouraging research and innovation in water management and conservation, by supporting academic and student-led projects in the field, collaborating with industry, and promoting academic programs related to water resources management.

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## Upgradation of water supply system

Upgrading water supply systems involves a variety of measures to improve the quality, reliability, and efficiency of the water delivery infrastructure. These measures may include:

Installing new treatment technologies – This includes upgrading existing treatment systems or installing new ones to improve water quality, reduce contaminants, and remove impurities.

Increasing storage capacity – This involves building new water storage facilities such as water towers, reservoirs, and tanks to increase the capacity of the system to store and deliver water.

Replacing aging pipes – Older pipes and distribution systems can corrode, crack, and fail, resulting in leaks, breaks, and decreased water pressure.

Upgrading pipes and distribution systems can improve water quality and ensure reliable delivery.

Utilizing smart technology – Smart water meters and remote monitoring systems can help detect leaks, optimize water usage, and reduce waste by providing real-time data on water consumption and supply.

Overall, upgrading water supply systems is critical to ensuring safe, reliable, and sustainable access to water for communities, businesses, and households.

*The University is upgrading its water supply systems regularly. Water purifiers have been installed at the campus to provide safe drinking water. University campus has 03 overheads and one underground water tank for storage and uniform distribution of water in the campus area.*

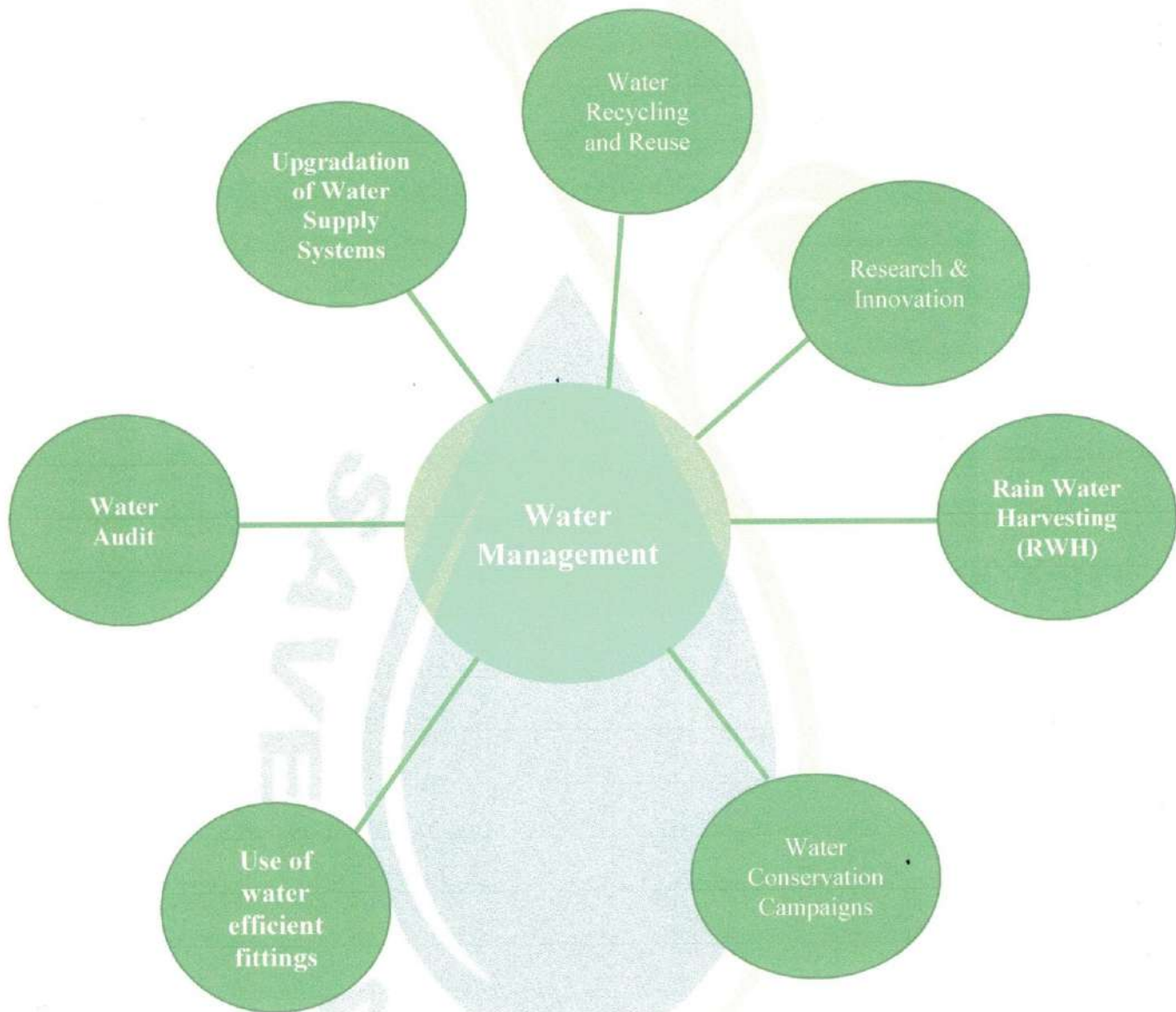
## Conclusion

Water management policy is crucial in ensuring the sustainable use of water resources for various purposes. A holistic and integrated approach to water management is necessary to achieve water security and sustainability. The challenges of climate change and population growth underscore the urgent need for continuous improvement of water management policies and practices to ensure a secure and sustainable water supply for present and future generations.

Regardless an Institution for higher learning & research, CSJM University Kanpur has a moral responsibility to promote and propagate the message for water conservation and its sustainable use among the academic community and society as well. Over the years the university has undertaken a number of initiatives to utilize water more efficiently and effectively within the campus.

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