



## Clean Water Utilization Program

### Chirchik State Pedagogical University

#### 1. Introduction

Access to clean and safe drinking water is a fundamental part of maintaining a healthy and sustainable learning environment.

Recognizing this, **Chirchik State Pedagogical University (CSPU)** has implemented the “**Clean Water Utilization Program**”, which focuses on improving water quality, ensuring continuous access to safe drinking water for students and staff, and promoting efficient water usage across all campus facilities.

This initiative is part of the university’s broader environmental strategy aimed at achieving **UI GreenMetric, QS Sustainability, and THE Impact Ranking** targets, while contributing to **UN Sustainable Development Goal 6 (Clean Water and Sanitation)**.

#### 2. Program Objectives

The Clean Water Utilization Program aims to:

- Provide **safe and purified drinking water** for all members of the campus community.
- Ensure **regular monitoring and testing** of water quality to maintain health and hygiene standards.
- Develop a **culture of responsible water use** among students and staff.
- Reduce **water and energy consumption** through efficient appliances and systems.
- Support the creation of a **green, healthy, and sustainable campus environment**.

#### 3. Current Infrastructure

CSPU has established a **centralized water supply system** connected to the municipal network. All educational buildings and dormitories receive water that passes through **filtration and purification units** before being distributed.

The university has installed **water dispensers and coolers** in key areas such as classrooms, administrative offices, and student dormitories, providing free access to clean and safe drinking water.

Although the university does not yet have a wastewater recycling or rainwater harvesting system, it actively applies **energy-saving underground pumps and automatic sprinklers** to ensure water efficiency in irrigation and landscaping activities.

#### 4. Key Activities Implemented

Under the Clean Water Utilization Program, CSPU has carried out the following activities:

1. **Installation of water filtration systems** in academic and residential buildings to improve water quality.
2. **Monthly laboratory analysis** of drinking water samples to ensure compliance with health and safety standards.
3. **Provision of clean drinking water** through dispensers and coolers across the university.
4. **Routine maintenance** of filtration systems, pipelines, and water distribution networks.

5. **Adoption of efficient irrigation systems**, including automatic sprinklers and energy-saving pumps, to minimize water loss.
6. **Environmental awareness campaigns**, such as *“Healthy Life Begins with Clean Water”*, promoting water-saving behavior among students and staff.

## 5. Results and Achievements

As a result of the implemented actions, the university has achieved:

- Improved **water quality and hygiene standards** across all facilities.
- Increased **availability and accessibility** of clean water for students and staff.
- **Optimized water consumption** and reduced waste through filtration and monitoring systems.
- **Reduced utility costs** due to the introduction of energy-efficient pumps.
- **15–20% reduction in irrigation water usage**, achieved through automation and efficient control.
- Growing **awareness of sustainable water practices** within the campus community.

## 6. Future Plans

To further strengthen the sustainability of its water management system, CSPU plans to:

- Introduce a **digital monitoring platform** for real-time water quality and consumption tracking.
- Establish a **rainwater harvesting system** for non-potable uses such as irrigation and sanitation.
- Implement a **wastewater treatment and recycling system** to reuse greywater.
- Expand educational and awareness activities related to **sustainable water management and hygiene**.
- Integrate all water efficiency and monitoring systems into the university’s **Green Campus digital dashboard**.

## 7. Conclusion

The **Clean Water Utilization Program** is an essential part of CSPU’s sustainability strategy, ensuring the **availability of clean water**, the **promotion of healthy lifestyles**, and the **efficient use of natural resources**.

Through continuous improvements in technology, infrastructure, and community awareness, Chirchik State Pedagogical University is taking firm steps toward becoming a **national model for sustainable higher education**.

By integrating modern purification systems, efficient irrigation technologies, and awareness campaigns, the university reinforces its commitment to environmental protection and the creation of a **safe, sustainable, and eco-friendly campus**.