

DIGITAL WATER MANAGEMENT SYSTEM PROGRAM (2023-2027)

Annotation: Digitalization of water resources management is one of the priority areas of the environmental strategy of the International University of Tourism and Entrepreneurship of Tajikistan. The program aims to improve the efficiency of monitoring, planning, and analysis of water use on campus through the implementation of digital technologies, including the Internet of Things (IoT), artificial intelligence (AI), and automated real-time analytics.

The purpose of the program is to create a sustainable and transparent campus water management system using innovative technologies to monitor, forecast, and optimize water use.

Expected results

1. Decrease losses water by 30%;
2. Increasing the accuracy of consumption accounting up to 95%;
3. Creation of a digital platform for analysis and planning of water use;
4. Integration with the national environmental monitoring system;

The program is being implemented and is currently being revised. The university's water resources management system is fully operational, and annual performance audits and program module updates are conducted.

The translation was carried out by the Research Institute for Sustainable Development and Green Economy at the International University of Tourism and Entrepreneurship of Tajikistan.

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