

MODERN DIGITAL INTEGRATION OF SCIENCE, EDUCATION, CULTURE AND THE INDUSTRIAL SECTOR IN TAJIKISTAN

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The article analyzes the impact of information technology on the development of education, industry, media space, and economic growth in Tajikistan. The main aspects of influence are highlighted.

Keywords: Information technologies; technology parks; e-government simplifies; innovation centers.

СОВРЕМЕННАЯ ЦИФРОВАЯ ИНТЕГРАЦИЯ НАУКИ, ОБРАЗОВАНИЯ, КУЛЬТУРЫ И ИНДУСТРИАЛЬНОГО СЕКТОРА В ТАДЖИКИСТАНЕ

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В статье анализируется влияние информационных технологий на развитие образования, промышленность, медиaprостранство, экономический рост в Таджикистане. Выделены основные аспекты влияния.

Ключевые слова: информационные технологии; технопарки; электронное правительство; инновационные центры.

Globalization and the development of information technologies lead to revolutionary changes in all spheres of society. The information industry of high-tech production, as well as the industry of services, sports and recreation is growing at a faster pace. As a result of these changes, economic activity related to the receipt and processing of information is now playing an important role in the development of Tajikistan more than ever [1].

Information technologies penetrate into every corner of the world, affecting the development of many countries, including those in Central Asia, such as Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan. Tajikistan, striving for digital integration in various fields, such as science, education, culture and industry, faces many factors and initiatives that shape its path [2].

One of the key initiatives was a new project funded by the Global Partnership for Education. Its goal is to improve the quality of education by updating educational materials, integrating a competency-based approach and improving school infrastructure. Special attention is paid to digital learning and the use of IT to optimize teaching processes [3].

It is also worth noting the contribution of UNICEF in Tajikistan. They supported the Government in expanding digital learning by providing Internet connectivity for all students and developing specialized digital platforms for different levels of education. These measures are particularly important for ensuring access to education in remote areas of the country.

The IT sector is actively developing in Tajikistan, which stimulates economic growth, attracts investment and creates new jobs. The country plans to create technology parks and innovation centers. In addition, the introduction of e-government simplifies the receipt of public services for citizens, making the processes more transparent and efficient.

Modern communication tools, such as social media and messengers, have become an integral part of citizens' lives. They provide a platform for civic engagement and participation in public life. At the same time, market forecasts reflect Tajikistan's active movement towards digital integration in industry, especially in the field of the Internet of Things and hybrid platforms.

Tajikistan's culture and tourism are also undergoing a digital transformation. Digitization of cultural heritage and promotion through digital marketing contribute to the sustainable development of these areas.

However, there are also obstacles on the way to full-fledged IT integration. The development of IT increases the level of cyber threats, requiring significant investments in cybersecurity. It is also necessary to pay attention to infrastructure development, especially in the field of broadband Internet, access to which is still li.

In conclusion, IT plays a crucial role in the development of Tajikistan, but in order to achieve maximum effect, it is necessary to overcome a number of existing obstacles.

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