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THE ROLE AND SIGNIFICANCE OF DIGITAL TECHNOLOGIES IN MODERN SOCIETY

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Abstract: This article examines the pivotal role of digital technologies in the contemporary globalized world, focusing on their socio-economic impact and application across various spheres of human activity. The research highlights the transformative benefits of digitalization in education, healthcare, public administration, and the national economy. Furthermore, the concept of "digital culture" is explored as an essential component of modern social interaction. The study concludes that the integration of digital tools is a fundamental driver for sustainable development and national progress in Uzbekistan.

Keywords: digital technology, society, healthcare, education, digital economy, e-government, digital culture, innovation.

1. Introduction In the era of rapid globalization, digital technologies have permeated every facet of human existence. The modern epoch is virtually indistinguishable from the digital environment, where computers, the internet, mobile devices, and specialized software have evolved into indispensable tools. These technologies do not merely simplify daily routines; they serve as a catalyst for the acceleration of social and structural progress. Digital technology encompasses the electronic transmission, storage, and processing of data. From video conferencing and cloud computing to Artificial Intelligence (AI), these advancements are reshaping how society functions by enhancing efficiency and connectivity.

2. Digital Transformation in Uzbekistan The significance of digitalization is recognized globally and is a top priority for the Republic of Uzbekistan. Under the "Digital Uzbekistan – 2030" strategy, the nation has witnessed a paradigm shift in public service delivery and infrastructure. The my.gov.uz portal stands as a prime example, streamlining bureaucratic processes and providing citizens with seamless access to government services.

3. Sectoral Impact of Digitalization *3.1. Education.* Digitalization has fundamentally revolutionized the pedagogical landscape. The introduction of distance learning, electronic textbooks, and platforms like Kundalik.uz has made education more accessible and personalized. Students now utilize interactive video lessons and online assessment tools,

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fostering an environment for independent learning and global academic integration. *3.2. Healthcare.* In the medical field, digital tools have become life-saving assets. The implementation of electronic polyclinics, online appointment systems, and digital health records has optimized patient care. Advanced diagnostic technologies, such as digital X-rays and ultrasound imaging, allow for rapid and accurate disease detection. *3.3. The Economy and Finance.* The economic sector is undergoing a massive shift toward digital platforms. The rise of digital payment systems (e.g., Payme, Click), e-commerce, and digital marketing has stimulated market growth and increased production efficiency. Consumers increasingly prefer online marketplaces, which in turn creates new employment opportunities.

4. Social Interaction and Digital Culture As communication migrates to digital platforms, a new "Digital Culture" is emerging. This culture defines the ethical and behavioral standards of the digital age, including digital etiquette, information literacy (avoiding misinformation), and cybersecurity. Leveraging digital tools for self-improvement and professional growth is now a key skill for the modern individual.

5. Conclusion Digital technologies are the cornerstone of modern civilization, driving efficiency in education, medicine, and the economy. For Uzbekistan, digitalization is not merely a trend but a strategic necessity for economic stability and social welfare. As the primary stakeholders of the digital future, students and young professionals must commit to mastering these technologies. Digitalization offers us the opportunity to build the future today, ensuring prosperity and sustainable development for the generations to come.

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