

THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE DEVELOPMENT OF SOCIETY.

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Abstract: This article provides an in-depth analysis of the role of information and communication technologies (ICT) in the development of society. It discusses how technological development affects every aspect of modern human life, the impact of ICT on socio-economic spheres, digital transformation, artificial intelligence, remote services, and changes in the education system. The article serves to demonstrate the effective use of ICT in society and reveal its future potential.

Keywords: ICT, digital transformation, artificial intelligence, e-government, remote education, social development.

Introduction. Today, the role of digital technologies in the modern economy is becoming clear and

clear. Information and communication technologies are widely used in the state, banking, industry, medicine, security and other sectors. This indicates the full and consistent introduction of modern information and communication technologies in all spheres and areas of our society. At the same time, a number of works are being carried out in our country to introduce modern technology. The resolution of the Cabinet of Ministers adopted the concept of "Smart City", according to which the main directions for the implementation of a number of projects such as "smart education", "smart transport", "smart government" were determined. This indicates that the opportunity is being created to widely introduce digital technologies in all spheres through the widespread introduction

of modern information and communication technologies in our society and their practical application. Information and communication technologies are understood as a system of technical and software tools that automate the processes of collecting, storing, transmitting, processing and using information. While early computers and network devices were used only in scientific centers, today, through the Internet and mobile technologies, every user is directly connected to the world of information.

The role of ICT in the economy.

Information technologies are helping to increase efficiency in all sectors of the economy. E-commerce, digital payment systems, internet banking, cryptocurrencies - all these are the contributions of ICT to economic development. Through the automation of production processes, online control of logistics systems, and the use of artificial intelligence in marketing, enterprises are able to reduce costs and increase profits. Especially during the pandemic years, the remote work model has formed a new business system in the global economy.

Transformation in the field of education.

The education system is one of the most deeply integrated sectors with ICT. Distance learning platforms, online courses, interactive textbooks, and electronic libraries have increased the efficiency of the learning process. Today, millions of students are receiving education through platforms such as Google Classroom, Moodle, Coursera, and EdX. Platforms such as “MyEdu,” “Ziyonet,” and “Bilimlar Olami” are also widely used in Uzbekistan. ICT also serves as an important tool for modernizing teachers’ methodologies and improving students’ technological literacy.

ICT and e-government in public administration. Information technologies serve as an invaluable tool in simplifying the public administration system. Today, many public services — obtaining a passport, paying taxes, housing issues — are carried out electronically. In Uzbekistan, through services such as “my.gov.uz”, “soliq.uz”, “single window”, citizens can receive services without contacting government bodies.

Advantages of e-government:

Transparency and openness.

Reduced risk of corruption.

Fast and convenient service provision.

Simplification of communication between the state and the people.

ICT in healthcare, culture and everyday life

ICT is also introducing new approaches to healthcare. Telemedicine, electronic medical records, online consultations have become especially relevant during the pandemic. In the cultural sphere, ICT is facilitating people's access to cultural treasures through digital archives, online concerts, and virtual museums. In everyday life, mobile applications, navigators, and online stores are direct results of ICT. The impact of ICT on social life and communication. ICT has fundamentally changed the processes of communication, dialogue, and information dissemination in society. Social networks — Facebook, Telegram, Instagram, TikTok — have facilitated communication between people. At the same time, the transition of the media to a digital form has led to an acceleration of the flow of information. Everyone can be a journalist, blogger, analyst. At the same time, ICT can also cause negative consequences: problems of information security, fake news, cybercrime, and digital addiction are emerging. In today's rapidly developing digital world, it has become difficult to achieve results in any field without using information and communication technologies (ICT). Even the simplest aspects of our daily lives are connected to technology — from ordering food to accessing government services, everything is shifting online. This, in turn, requires technological literacy from all members of society. If we look at our own lives, for example, obtaining an important document used to take hours of waiting in line, but now it can be done within minutes through a smartphone. This, of course, saves time, effort, and nerves. Another example — during the pandemic years, many people had the opportunity to work and study remotely. That period clearly proved how essential ICT is for everyone. Among the youth, interest in technology is increasing. The positive side of this is that the younger generation is now stepping into fields like programming, artificial intelligence, and robotics. At the same

time, responsible use of technology is also a pressing issue. After all, with technology, one can either benefit society or cause harm. At this point, concepts such as upbringing, ethics, and social awareness play an important role. Moreover, ICT is reaching rural areas as well, shortening the distance between people and the state. For instance, banking services, payment systems, and even medical consultations are now being conducted remotely. I have personally experienced this many times. The most encouraging aspect is that technology is becoming increasingly accessible not only to urban residents, but to all layers of society. Therefore, we can rightly say that information and communication technologies are the heart of modern society. And in order for this heart to function properly, every individual — whether a teacher, student, or entrepreneur — must use these technologies wisely and effectively in their work. Many people associate technology only with digital conveniences. However, information technologies are also playing a major role in environmental protection. For example, through "smart agriculture", water and fertilizer are used in moderation, the ecological situation is monitored through satellite monitoring, and waste sorting and recycling technologies are becoming increasingly popular. This demonstrates not only the economic but also the environmental benefits of technology. As artificial intelligence develops, ethical criteria in information and communication technologies are becoming an important issue. Texts written by AI, facial recognition systems, decision-making algorithms - all of these require compliance with the principles of human rights, privacy and transparency. Therefore, "information ethics" is becoming an important direction in educational systems today. The issue of language is also relevant in the ICT sector. Since many software programs were created in English, the ability to work in the native language was limited. However, nowadays, there are more and more programs and interfaces developed in different languages, including Uzbek. This is not only a matter of technological convenience, but also of integrating the language into the digital environment. Information and communication technologies have made a real breakthrough in the field of medicine. Now patients have the opportunity to consult a doctor remotely via video conferencing. Technologies such as telemedicine, electronic prescriptions, and artificial intelligence-based diagnostics are not only saving time, but also human lives. The penetration of these services, especially in rural areas, has been an important step in

ensuring medical equality. ICT is also opening up new opportunities for women. Through the ability to work from home, online courses, and innovative programs aimed at women, many women are developing their careers and starting their own businesses. This shows how ICT is a positive tool in ensuring gender equality in society. Today, everyone has become an active participant in the digital world. This is pushing forward the concept of "digital citizenship". Now civic activism is taking the form not only of attending a rally or voting in elections, but also of expressing opinions on online platforms, discussing problems, and signing petitions. Through ICT, citizens have begun to participate directly and actively in the life of the state and society. This strengthens democracy and openness. Information technologies are opening wide doors for people with disabilities. For example, there are voice assistant applications for the blind, text translators for the deaf, and voice-controlled systems for those with limited mobility. Through these technologies, they are also able to actively participate in society - study, work, and create. This is a big step towards an inclusive society. In conclusion, information and communication technologies have now become an inseparable part of modern society. They not only offer convenience in managing tasks, but also unlock human potential, create new opportunities, and help shape a modern way of thinking. Every new technological advancement represents a new stage in the progress of society. However, simply using technology is not enough — it is essential to understand it correctly, direct it toward positive outcomes, and use it wisely and purposefully. If information technology is a symbol of modernity, then managing it is a sign of culture, knowledge, and responsibility. Today's youth hold a powerful tool in their hands — knowledge and technology. If used properly, this tool can not only brighten their own future, but also lead society in a prosperous direction. Therefore, each of us must strive to use technology in the service of progress and deeply understand the meaning and responsibility it carries. Let technology serve development, and let people not serve technology, but use it to make life easier and more meaningful. Only then will a truly digital society, a conscious technological environment, and firm steps toward progress become reality. Walking this path — it is in our hands!

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