



Key Issues in the Development of the Digital Economy

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Abstract: In the article, the theoretical and methodological foundations of the processes related to the role of the digital economy in ensuring the socio-economic development of the country are researched. The impact of the development of the digital economy on the economic development of the country was assessed. The conditions and factors for the comprehensive development of the digital economy are based on the laws of systematic development. A scientific proposal and practical recommendations for improving the digital development system of the country's economy have been developed.

Key words: digital economy, digital production, industrial sector, digital transformation, digital technology, intellectual platforms, digital infrastructure

INTRODUCTION

Today, the experience of the developed countries of the world shows that the development of intellectual technologies, innovative products and services and their effective use are considered as the source of economic growth of the countries. India started reforms in this regard 40-50 years ago, and in 2019 the income from this sector was 159 billion. amounted to \$. In the experience of countries such as South Korea, Japan, China, India, Finland, 2 times as much investment has been invested in this field as compared to others, mainly directed to the production of necessary devices, software, information and communication technology products and intellectual services in the industry and their effective application to networks. According to the research of the World Bank in 2020, most of the economically developed countries, by applying information and intellectual platform technologies to the production and service sector, increasing the number of Internet users by 15% (compared to 2017), the country's GDP will increase by 3-3.9%, per capita and achieved a 7.2% increase in income[2]. Today, in the industry of the world countries, special attention is paid to scientific research on the creation and production of intellectual platform technologies and the improvement of the mechanisms of effective development of branches and sectors of the national economy based on them. In this regard, the researches carried out on the basis of the intellectual platform, digital production, programming and organization of "Industry 4.0" processes, supporting the use of digital technologies in the industry, purposeful development of the market of these technologies, and improvement of the mechanism of financing the innovations of this activity occupy an important place.

It should be noted that the effective use of digital and software products, intellectual platform technologies in the development of modern industries in scientific research is considered as a priority topic. In the conditions of digitalization of the economy of the new Uzbekistan, a number of practical

works are being carried out on the step-by-step development and infrastructure creation of industries and sectors based on the use of content and intellectual platforms. In particular, in 2019, investments in the field of digitization in the republic amounted to 465.0 million. dollars and produced software products amounted to 5857. In 2019, about 3.2% of the GDP of our republic was contributed by digital and information communication technologies.

Despite the fact that this branch of our economy is developing at a rapid pace, the fact that our country is at the initial stage in this regard, the need to develop new types of intellectual technologies, their introduction into various production sectors of the economy, and their insufficient use in industrial sectors remains a problem. In the "Strategy of Actions on the five priority areas of development of the Republic of Uzbekistan in 2017-2021" the priority tasks of "... introduction of ICT in the economy, social sphere, management system"[1] are defined.

The effective solution of these tasks requires the creation of innovative types of intellectual technologies and the development of mechanisms for the development of this business. At the current stage of forming the digital economy in Uzbekistan, the use of "smart" and intelligent platforms in industrial sectors is becoming one of the main factors of increasing the competitiveness of industries. In this regard, the development of scientifically based proposals and recommendations regarding the organization and development of intellectual platform contents and digitized on-line platforms in the industrial sectors of the national economy, and the development of practical mechanisms and theoretical justification of scientific approaches to the concept of digital economy development is of urgent importance.

Literature review

Studies on the processes of improving the factors of development of the digital economy have been researched by a number of foreign economists. In particular, in this regard, N. Negroponte[3], D. Tapscott[4], R. Coase[5], N. Lane[6], T.L. Mesenbourg[7], M.A. Kalujsky[8], A.A It was researched in the scientific works of scientists such as Lokalov[9], A.A.Urasova[10].

Research aimed at the development of the structure and methods of quantitatively measuring the parameters of digitalization of the digital economy in our country and the development of development priorities R.H. Ayupov, G.R. Boltaboeva[11], B.A. Begalov, I. Ye. Zhukovskaya[12] , K. Kh. Abdurakhmanov, Sh. K. Kudbiev, A. Yu. Magrupo[13], B. Khajiyev[14], P. Z. Khashimov, Z. F. Fakhridinova[15], B. O. Tursunovlar[16].

Research methodology

The methods of deduction, induction, analysis and comparative analysis were used during the preparation of the scientific article. In particular, the level of Internet and computer use was compared in the case of developed and developing countries. Based on systematic analysis, statistical grouping and expert evaluation methods were also effectively used.

Analysis and discussion of results

"Digital Uzbekistan - 2030" Strategy was adopted in order to bring digitization to a new level in our country. Within the framework of this strategy, comprehensive measures are being implemented in public education, public services, judicial, financial and banking systems to digitize economic sectors and regions, introduce state information systems and electronic services, as well as ensure wide use of digital technologies.

One of the main directions of adopting the "Digital Uzbekistan-2030" strategy is the digital transformation of state and economic management, ensuring their openness and transparency, and introducing modern information technologies. All the changes today are aimed at ensuring the openness and transparency of the activities of the state and organizations by creating a full-fledged model of the virtual government operating on the basis of the principle "Documents, not citizens, act" in the country. As more and more new digital technologies are used by businesses in various

industries, the economy is increasingly digitized. In this regard, we can say that the main distinguishing feature of the digital economy is the wide spread of information and communication technologies in the economy, public sphere and state administration. Today, digital technologies are actively used in all spheres of life. Including: economy, health care, agriculture, tourism, transport, banking, service sector, as well as the educational process, it serves to develop rapidly.

In the digitization process, the strength of information systems and databases, infrastructure of information communication technologies is the main factor. New production methods (peer to peer production), public cooperation, public ownership of intellectual property, changes in consumption models (sharing economy) and an open labor market can be cited as characteristic indicators of the digital economy. However, at present, the contribution of the digital economy (internet trade, internet services, content, electronic payment, etc.) to the gross national income of the Republic of Uzbekistan is less than 1%. But the development trends of our country show that the above markets will develop rapidly in the future. In addition, technological changes associated with the fourth industrial revolution and Industry 4.0 technologies, namely mass robotization, augmented and virtual reality technological platforms, and 3D printer technologies will further accelerate this process.

Formation and development of the digital economy in Uzbekistan As part of the implementation of the strategy, within the framework of the digital transformation of regions and networks in 2020-2022, the level of connecting settlements to the Internet network will be increased from 78% to 95%, more than 400 information systems, electronic services in various areas of socio-economic development of regions and other software products, introduction of more than 280 information systems and software products for automation of management, production and logistics processes in enterprises in the real sector of the economy. According to the corresponding "road map", digital transformation is planned to be implemented in 29 sample districts (cities) in 2020 and by the end of the first quarter of 2021.

Within the framework of the Strategy, the "Roadmap" for 2020-2022 envisages the development of four main areas. These are: development of e-government, development of digital industry, development of digital education and development of digital infrastructure. The importance of developing digital technologies in Uzbekistan during the global pandemic was clearly demonstrated. The COVID-19 pandemic, which spread to many countries and regions of the world, had a serious impact on the global economy: some large industrial enterprises and small business organizations were forced to temporarily stop their activities, many employees were forced to work remotely, and schools and universities switched to online education.

Like many developing countries, the processes of digitalization of all industrial sectors are being systematically continued in Uzbekistan. By 2020, according to the information service of the Ministry of Information Technologies and Communications Development of the Republic of Uzbekistan, the number of Internet users in the country has reached 22 million, including 19 million mobile Internet users. Also, according to the State Statistics Committee, as of October 1, 2020, the number of subscribers connected to the mobile communication system is 24 million. 824.3 thousand, compared to the corresponding period of 2019 by 6.9% or 1 million. increased to 598.1 thousand. At the same time, the share of IT professionals among the employed population in 2019 was 0.5 percent, which is almost seven times lower than the EU average (3.7 percent). As a result of efforts aimed at improving the current situation, the demand for information technology specialists in Uzbekistan is growing rapidly. By 2023, it is planned to double the share of the digital economy in the country's gross domestic product, including the introduction of a complex of information systems in production management, the wide use of software products in financial and economic reporting, as well as its rapid formation by automating technological processes.

Conclusions and suggestions

Today, in the conditions of Uzbekistan, it is extremely important to study the laws, trends and possibilities of the development of the digital economy, in particular, the level of penetration of information technologies into various sectors of the economy on a scientific basis. The development and prospects of our country, the success of the reforms being carried out on a large scale in our country directly depend on the introduction of new innovations into our national economy. Therefore, it is important to develop the digital economy, to research its economic, political, social and legal foundations from a scientific and practical point of view.

In conclusion, it should be noted that:

1. There are different approaches to defining the concept of digital economy in the scientific literature, and until now, a universally recognized definition in economic theory has not been developed.

2. The modern stage of digital economy development in Uzbekistan can be characterized by its formation. Research in the field of digital economy in the republic has shown that digital economy has its own characteristics in Uzbekistan, one of which is the wide penetration of ICT in all sectors of the economy, public administration and the public sphere.

3. According to the comparative analysis of the digital economy according to the models of different countries, it is undergoing the development of new trends.

4. Currently, the development of the digital economy and ICT in Uzbekistan can be characterized by several stages.

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