

Research Article



## Innovative Projects on the Prevention of Unemployment in the Economy of Uzbekistan and their Socio-Economic Impact

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**Abstract:** This scientific article discusses how to create jobs and reduce unemployment in the digital economy. Along with the expansion of the digital economy, the emergence of new innovative projects and technologies leads to the disappearance of some professions, as well as the emergence and development of new professions. The article analyzes strategies aimed at reducing unemployment through digital platforms, artificial intelligence, robotics and freelancing opportunities to help the economy flourish. The socio-economic impact of these projects affects the change in labor demand, the updating of skill requirements and the increase in the level of social welfare.

**Keywords:** Digital economy, unemployment, innovative projects, artificial intelligence, socio-economic impact, new jobs, robotization, remote work.



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### Introduction

In our modern world, the rapid development of the digital economy and information and communication technologies is bringing economic systems to a new stage of development on a global scale. The digital economy is mainly formed on the basis of information and technologies, and serves to increase the efficiency of economic processes, reorganize the labor market and create new jobs. Uzbekistan is not an exception to these processes. In recent years, a number of important reforms have been implemented in our country in terms of attracting investments in the field of information and communication technologies, developing e-commerce and introducing innovations.

"In accordance with the decision of the President of the Republic of Uzbekistan "On measures for the wide introduction of digital economy and electronic government" dated April 28, 2020 No. PQ-4699 " established state institutions and their main tasks, and they are as follows:

- development of priorities for digital development in state bodies and organizations by analyzing the efficiency of information technology use and the introduction of electronic state services;
- providing methodological and practical support to state bodies and organizations for the development of digital economy and electronic government;
- introduction of the single electronic interdepartmental system of executive discipline, interdepartmental information systems, resources and other software products in state bodies and organizations;
- we can cite the development of target indicators and performance indicators for the implementation of projects in the field of electronic government and digital economy.<sup>1</sup>

Effective use of information technologies and introduction of electronic public services will increase the efficiency of public administration, reduce bureaucratic processes and improve the quality of services to the population. The development of the digital economy, while creating new opportunities, serves economic growth, supports innovation and attracts investments. At the same time, by strengthening executive discipline and ensuring transparency, the risk of corruption will decrease, and the reliability and security of state systems will increase.

It will also be devoted to the analysis of the digital transformation of the economy of Uzbekistan and its impact on the main indicators. The prospects of digital economic reforms in the country are evaluated based on the share of the digital economy in the GDP, the dynamics of wages in the information and communication sector, as well as the indicators of innovative activities of enterprises and organizations. At the same time, new economic trends arising as a result of the integration of digital technologies into the economy and their impact on future socio-economic development are analyzed.

The relevance of the article is that digital transformation is important not only in increasing the efficiency of the economy, but also in maximally strengthening the competitiveness of the national economy and in the modernization of new economic sectors. Therefore, the scientific analysis of state policies and strategic directions aimed at the development of digital economy and innovative activities is becoming increasingly important.

### **Literature review**

The development of the digital economy has led to significant changes in the world economy and tourism in recent years. These processes are gaining importance in socio-economic development of countries, creation of new jobs and implementation of innovative projects. The use of digital technologies will help to improve the quality of work and services by expanding employment opportunities in the tourism sector (International Monetary Fund, 2022).

Some researchers claim that the digital economy will increase the demand for highly qualified personnel in the labor market by introducing new innovations in the tourism sector (Beck & Kontorovich, 2023). In this context, the integration of digital technologies opens up new opportunities and makes it possible to modernize existing jobs. Digital services, artificial intelligence and data analysis systems play an important role in increasing labor productivity, improving service quality and optimizing work processes (Smith, 2021).

The socio-economic impact of innovative projects is not only limited to the development of the tourism sector, but also serves to increase the well-being of local communities. Some studies show that the development of tourism projects based on digital technologies can increase the level of employment of the local population (UNWTO, 2023). Especially in the field of rural tourism

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<sup>1</sup> On measures for wide implementation of digital economy and electronic government" Decision No. PQ-4699 of April 28, 2020.

and ecotourism, digital innovations are important in supporting economic activity, contributing to increasing the employment level of the population and expanding economic opportunities.

At the same time, some scholars note that the rapid development of digital technologies is causing a transformation of the workforce. The rise of the digital economy adds new skills and competencies to labor market demands (Nguyen & Pacheco, 2022). In this context, the widespread use of digital innovations in the tourism sector will lead to an increase in the number of employees who have the skills to effectively use digital services and technologies.

In conclusion, innovative projects in the digital economy and tourism sector have a positive impact not only on job creation, but also on the development of the local economy. These processes help to increase economic efficiency and social well-being, create new jobs and improve the quality of service through the use of modern technologies. Therefore, the study and wide application of digital technologies in the field of tourism has important scientific and practical importance.

### Research methodology

forecasting methods were widely used in the course of this research . Also, the method of analysis and synthesis was effectively used in the implementation of scientific research.

### Analysis and discussion of results

Share of households with access to the Internet via satellite broadband (via satellite connection):

**Table 1**

Classifier	2017	2018	2019	2020	2021	2022	2023
Republic of Uzbekistan	0	0	4.9	5.1	3.6	3.2	7.7

The above data show that the share of households with satellite internet access in Uzbekistan has been increasing significantly over the years. Although there was no access to the Internet via satellite in 2017-2018, the increase in access to this technology is noticeable from 2019 onwards. In 2023, this share reached the highest level and made 7.7%.

This trend reflects the country's focus on developing digital infrastructure and represents the success of efforts to reduce the digital divide by increasing internet access in remote areas. Expanding satellite Internet access can increase educational and employment opportunities, contribute to economic development, and improve the socio-economic conditions of the population.

In general, we can say that in the future, additional investments and support from the government and other organizations may be necessary to continue development in this direction and to overcome existing obstacles. In this way, Uzbekistan will have the opportunity to accelerate the transition to the digital economy and join the digital integration in the region.

In the study of innovative projects related to the digital economy and unemployment prevention and their socio-economic impact, to know the volume of GDP created in the information economy and e-commerce sector, to collect data on employment in the field of information and communication, the volume of GDP, Enterprise and Obtaining information about the innovative size of organizations facilitates the analysis process.

**Table 2**

Classifier	2016	2017	2018	2019	2020	2021	2022	2023
The volume of GDP created in the	4967.7	6377.8	7732.1	8491.9	10777	16939.5	27755	_

information economy and e-commerce sector is billion								
Salary in the field of information and communication (thousand soums)	2042.2	2502.2	3329.6	3968.8	4390.5	5577.2	7560.8	10596
GDP volume (in billion soums)	255421.9	356453.8	473652.8	594659.6	668038	820536.6	995573.1	1192163
Innovative volume of enterprises and organizations (billion soums)	10688.2	18543.3	28871.5	26811.4	31142.8	27378.6	40451.6	55746.5

As a result of the data analysis, the development of the information economy and e-commerce sector in Uzbekistan during 2016-2023, the salary in the communication sector, the size of the gross domestic product (GDP) and the changes in the innovative size of enterprises and organizations are clearly visible. . Below is an in-depth analysis of each metric.

The volume of GDP created in the information economy and e-commerce sector was 4,967.7 billion soums in 2016, and this indicator has grown significantly over the years and reached 27,755 billion soums in 2022. The growth in GDP in this sector reflects the growing demand for the digital economy and e-commerce. In particular, a sharp increase was observed in 2021 (16,939.5 billion soums), which indicates the effectiveness of the state policy aimed at supporting the digital economy. However, data for 2023 is not available.

salary in the field of information and communication in 2016 was 2042.2 thousand soums, and in 2023 this figure reached 10596 thousand soums, that is, a significant increase was observed. . This growth reflects the increasing need for a skilled workforce in the technology and information sector, as well as high interest in this sector. Acceleration of wage growth from 2021 may be related to the development of the digital economy.

The volume of gross domestic product (GDP) in the general economy was 255,421.9 billion soums in 2016 and reached 1,192,163 billion soums in 2023, which indicates a stable growth of GDP during this period. This growth reflects the overall development in the country's economy and the impact of the digital economy on economic activity. The increasing share of GDP in the field of information technologies and e-commerce in the general economy shows that the importance of the digital sector in the economy of Uzbekistan is increasing.

The volume of innovative activity of enterprises and organizations was 10,688.2 billion soums, and in 2023, this figure reached 55,746.5 billion soums, that is, an almost five-fold increase was observed during this period. This increase in the volume of innovative activity indicates an increased focus on the introduction of digital technologies and innovations in the country . It is also an indication of the effectiveness of the state's strategic approaches to digital transformation.

These data show that the field of digital economy and innovation is actively developing in Uzbekistan. Along with the growth in the information technology and e-commerce sector, investments in innovation are also felt to be increasing. Also, the increase in wages in the field of information and communication confirms the high demand for skilled labor in this field. These trends mean that the economy of Uzbekistan is moving towards a modern economy based on the digital sector and the positive impact of this sector on the country's economy.

### **Conclusions and suggestions**

Based on the above information, when predicting the future development trends of the economy of Uzbekistan, it is possible to expect the continuation of growth related to the use of digital economy, innovations and technologies.

Stability can be achieved through **increasing the role of the digital economy in economic activity** . According to data, the volume of gross domestic product created in the information economy and e-commerce sector shows a significant increase from year to year. The growth of this sector reflects the growing importance of digital technology and online commerce in the country. In the future, the digital economy can contribute even more to the country's GDP, which will further accelerate economic growth. At the same time, expanding the digital infrastructure and providing the workforce with qualified personnel in this field will increase the competitiveness of Uzbekistan in the global digital markets.

**In the information and communication sector, we can get an increase in wages and labor demand** . During 2016-2023, a steady growth of the average salary in the field of information and communication is observed. This growth is indicative of the increasing demand for skilled personnel and technological knowledge in the field. This trend may continue in the future, as the development of the digital economy creates a need for more IT professionals. Therefore, further strengthening of information technology and digital training in public and private sector cooperation will be an important factor for the future.

**Contribution of the digital sector to overall economic growth.** The total GDP of Uzbekistan is growing year by year, and the contribution of the digital economy to this growth is increasing. This testifies to the effectiveness of the state policy aimed at introducing digital technologies and innovations. In order to ensure economic stability and growth in the future, it will be important to increase the integration of the digital economy with other economic sectors. Widespread adoption of digital solutions, especially in agriculture, industry and services, will increase economic efficiency.

The increase in the innovative volume of enterprises and organizations shows the increasing interest in innovations and technologies in the economy. Further increase of investments aimed at innovation and support in this area through government programs will expand the possibilities of development of new technologies, increase of local production and access to foreign markets in the future. This, in turn, stimulates economic growth and increases competitiveness.

As a result of the research, it can be concluded that the future development trends of the economy of Uzbekistan are expected to accelerate through the active use of digital economy, innovations and technologies. Further integration of the country in the global economy and stable economic growth can be ensured through the strengthening of the role of information technologies and digital services in the economy, and the increase of investments aimed at qualified personnel and innovations. At the same time, these directions create new opportunities to diversify the economy, increase export potential, and improve the living standards of the population.

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