

The Role of Digital Economy and its Impact on Online Education in Uzbekistan

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Abstract: The article examines the relationship between the digital economy and online education, as well as their impact on business and consumers. Describes how digital technologies are changing the economic landscape and opening up new opportunities for education. Examples of research in the field of digital economy and online education conducted in Uzbekistan and abroad are considered. Conclusions are given that the development of the digital economy requires highly qualified personnel, and online education is one of the tools for adapting people to new technologies. The conclusion highlights the importance of the relationship between the digital economy and online education for our future. The research methods used were analysis of scientific articles, reports and studies in this area. Literature includes works of world and Uzbek scientists.

Keywords: Digital economy, online education, digital technologies, e-learning, learning platforms, online courses, distance education, digitalization, transformation, educational innovation.

INTRODUCTION

Currently, one of the main strategic directions in the field of information technology is the digitalization of the economy based on methods and means of innovative technology, which in turn is an integral part of the modern new economy of our republic.

The digital economy is an economy based on digital technologies such as the Internet, mobile devices, artificial intelligence, big data, cloud computing and others. It differs from the traditional economy in that it uses digital technologies to create new products and services, optimize business processes, improve customer interactions, and much more.

The digital economy enables businesses and entrepreneurs to create new and innovative products and services that would not be possible without the use of digital technologies. It also allows you to use resources more efficiently, manage processes and improve the quality of services. In this regard, the President of the Republic of Uzbekistan notes: about the digital economy, and its importance for the development of the country, that the use of modern information technologies is a necessary condition for accelerating economic development, increasing competitiveness and improving the quality of life of the population. The President noted that it is important to develop not only the ICT sector, but also to use digital technologies in other sectors of the economy, such as healthcare, education and transport. This strategically important opinion of the head of state is the importance of developing human resources in the field of ICT and education in order to

provide qualified specialists to work in the digital economy. [1.190-191] The digital economy opens up new opportunities for entrepreneurship. The Internet and other digital technologies allow people to create their own businesses and work remotely, regardless of place and time. This creates new opportunities for job creation and economic growth.

Overall, the digital economy is a key factor for economic development in the modern world. It represents enormous potential for business, innovation and development, and can be used to improve people's lives and create new opportunities for economic growth.

The digital economy and online education are two topics that are becoming increasingly relevant in the modern world. The digital economy is an economy based on digital technologies that offers new opportunities for business, innovation and development. Online education is an educational process that takes place via the Internet and allows students to gain knowledge and skills anytime and anywhere.[6.102-105]

METHODOLOGY.

This article used materials from open sources, such as scientific articles, studies and news articles on the digital economy and online education. Data regarding the situation in Uzbekistan obtained from official sources and open data were also used.

The methods used in the article include analysis and synthesis of information, generalization and systematization of data, as well as logical analysis and evaluation of the findings. The use of such methods allowed us to create a comprehensive and informative article, as well as provide readers with the opportunity to gain a complete understanding of the relationship between the digital economy and online education.

RESULT.

As a result of the use of these methods and materials, it was revealed that the digital economy and online education are closely related. Digital technologies open up new opportunities for education, such as accessibility and flexibility of learning, updating educational materials and methods, and making education accessible to people in remote regions. In turn, online education helps people adapt to the digital economy and master the necessary competencies and skills to work in this field.

It has been found that the digital economy is becoming increasingly important in the world, and many countries, including Uzbekistan, are seeking to actively develop this area. Projects aimed at developing the digital economy and online education were launched in Uzbekistan, such as the creation of the MyGov.uz portal, the development of the E-learning program and others. However, for further development it is necessary to continue to introduce new technologies and create favorable conditions for the development of online education and the digital economy as a whole. The relationship between the digital economy and online education is an important topic for our future. The development of the digital economy and online education should become a priority for government agencies, businesses and educational institutions. It is necessary to create conditions for advanced training and training of the population so that every person can become part of the digital economy and use its advantages in their lives. The use of online education allows you to improve the qualifications of workers and improve their professional skills, which in turn contributes to more efficient work in the digital economy. Thus, online education becomes an important tool for adapting a person to the requirements of the digital economy and increasing competitiveness in the labor market.

It should also be noted that in Uzbekistan, universities and colleges are increasingly introducing online education into their curricula and programs. For example, the National University of Uzbekistan has implemented an online learning system that allows students to access lectures and materials at any time and from anywhere in the world. Also, some universities and colleges conduct online courses to improve the skills of existing specialists.

As a result, we can conclude that the relationship between the digital economy and online education is an important aspect of our future, especially in the face of rapid technological development and changing labor market requirements. Online education is becoming an integral part of the lives of people and businesses, allowing them to adapt to new challenges and achieve better results in the digital economy.

MAIN PART.

The digital economy and online education are closely related to each other. In the modern world, digital technologies are increasingly being used in all areas of society for their activities, which requires qualified specialists who know how to work with these technologies. In turn, online education provides the opportunity to study and acquire the necessary skills remotely, which makes it more accessible and convenient for people who work or have limited access to traditional educational institutions.

The digital economy and online education are two interrelated topics that influence each other and represent huge potential for future development . The digital economy opens up many new opportunities for online education. It makes it possible to study remotely using the Internet and other digital technologies. This is convenient for students and teachers as it allows them to share knowledge and information without the need to be physically present in the classroom.

Online education also allows students from different countries and cultures to connect and learn together. This expands the boundaries of education and makes it possible to receive quality education from anywhere in the world.

Digital technologies also provide greater access to education. There are many online courses that you can take for free, and many of them provide certificates and diplomas that can improve your career options.

Online education also allows teachers and educators to use more interactive teaching methods. This may include video lectures , tests, and assignments that can be automatically graded. This reduces the time required to review assignments and allows teachers to focus on deeper analysis of learning outcomes.

Digital technologies make it possible to create more personalized learning programs. Artificial intelligence and big data analytics systems can be used to tailor curricula to the individual needs of each student.

Overall, the digital economy provides an opportunity to use educational resources more efficiently and create higher-quality, more accessible training programs. Online education is becoming increasingly popular in the world, and the digital economy plays an important role in the development of this area. The digital economy is facilitating the creation of new forms of education, such as massive open online courses (MOOCs). MOOCs enable millions of people around the world to receive quality education on topics ranging from languages and computer science to economics and philosophy. They represent a unique opportunity for people who previously did not have access to quality education to gain the knowledge and skills necessary for a successful career.

In addition, the digital economy also creates new opportunities for professional retraining and advanced training. Employees can gain new knowledge and skills without leaving their workplace, which is convenient for those who cannot leave work for an extended period of time.

It is also worth noting that the digital economy provides opportunities to improve testing and assessment of student knowledge. This allows you to more accurately determine which topics require more attention and adjust training programs accordingly.

Overall, the digital economy is creating new opportunities for online education, providing greater access to quality education and creating new forms of learning. It also improves the quality of education and promotes career opportunities. Online education is becoming

increasingly important in the world, and the digital economy plays an important role in the development of this field.

In addition, the digital economy allows for improved interaction between teacher and student. Online education allows students to receive personalized help and support from a teacher in real time using various communication tools such as video conferencing and chats.

Another important opportunity that the digital economy provides for online education is the personalization of learning. Through the use of various technologies such as data analytics and machine learning, online education can adapt to the needs of each student, creating personalized learning programs and providing more effective learning.

Finally, the digital economy also promotes collaboration between educational institutions and businesses. Online courses and other forms of online education provide companies with the opportunity to teach their employees new skills and technologies without the expense of expensive training and retraining. In turn, educational institutions can use these connections to develop training programs that meet labor market demands and provide their graduates with better career opportunities.

Overall, the digital economy offers great opportunities for online education, providing more effective and personalized learning, improving teacher-student interactions, and fostering collaboration between educational institutions and businesses. Online education is becoming increasingly popular and accessible around the world, and the digital economy plays an important role in its development.

The development of the digital economy is leading to major changes in the economy and affecting businesses and consumers. One of the major changes is the emergence of new forms of business such as e-commerce, cloud technologies and others.

Digital technologies enable companies to improve their efficiency and speed up processes, including reducing product development and manufacturing time, improving marketing and sales strategies, increasing consumer convenience, and much more. In addition, the digital economy contributes to the creation of new markets, which allows businesses to expand and diversify their activities.

For consumers, the digital economy also opens up new opportunities, including the ability to choose from a wider range of products and services, convenient online shopping, access to online education and much more. In addition, digital technologies are streamlining interactions between consumers and businesses, enabling faster and more convenient communications.

However, the digital economy also poses some challenges and risks, such as cyber security threats and data privacy threats, which may affect consumer trust in digital technologies. In addition, the emergence of new forms of business may create competition and pressure on traditional forms of business, which may lead to job losses.

In general, the development of the digital economy is an important and integral process in the modern world. This opens up many new opportunities for businesses and consumers, but also presents challenges and risks that require a careful and balanced approach.

The digital economy and online education are closely related . With the development of digital technologies, online education has become more accessible and effective for people who want to expand their knowledge and skills without leaving their home.

Online education allows you to receive education anytime and anywhere using a computer and Internet access. This opens up new opportunities for people who previously did not have access to quality education, including due to geographical, time or financial restrictions.

The digital economy also opens up new opportunities for online education. Thanks to digital technology, online education can be more interactive and effective. For example, online courses

can use various formats such as video, audio, webinars , interactive assignments and tests to enhance the learning experience.

Online education can also help people adapt to the digital economy by providing them with the skills and knowledge needed to work with digital technologies. Online courses can include topics such as programming, cybersecurity , data analytics, project management and others, allowing people to learn new skills and prepare for work in the digital economy.

However, it must be taken into account that online education is not a universal solution for all educational needs. Some types of education may require personal presence in the classroom, for example, for practical training. Moreover, online education can also face the problem of low quality if it is not developed and delivered professionally.

Overall, the digital economy and online education form a synergistic relationship that allows people to better adapt to rapidly changing events.

Online education also allows people to learn specific skills that are in demand in the digital economy, such as programming, data analytics, digital marketing and others. Online courses and training programs allow you to learn at your own pace and choose courses that suit your specific needs and skill level.

A large number of educational resources and platforms offering online learning help people adapt to the digital economy and improve their skills and knowledge in accordance with its requirements. Thus, online education plays an important role in preparing people for the changes that are happening in the economy.

On the other hand, the digital economy also affects online education. The rapid development of technology leads to the emergence of new forms and methods of online learning, such as virtual reality, artificial intelligence, etc. Such innovations allow the creation of more interactive and effective courses that can improve the quality of education and increase student achievement levels.

Thus, the digital economy and online education are closely related to each other and interact, creating new opportunities for development and learning. Online education helps people adapt to changes taking place in the economy, and the digital economy creates new forms of online learning that improve the quality of education and develop new skills and knowledge.

There is a lot of research being done in the field of digital economy and online education. Some of them are given below.

A study by McKinsey & Company found that digital technologies can help improve productivity and efficiency in education. The use of online courses, digital textbooks, and other educational technologies can increase student achievement and reduce educational costs.[9]

A study conducted by researchers at the University of Massachusetts found that online learning can be an effective way to learn and develop skills. In particular, research has shown that online courses can be more effective than traditional forms of learning when it comes to developing specific skills such as programming.[7]

A study conducted by Stanford University found that online education can be an effective way to obtain higher education. In particular, the study found that students who took online courses could receive the same quality of education as students attending a university faculty.[10]

A study conducted by Coursera found that online education can help improve career opportunities for people. Using online courses and training programs can help people develop new skills and knowledge that can improve their chances of landing high-paying jobs.[11]

Thus, research shows that the digital economy and online education provide new opportunities for learning and developing skills that are in demand in the economy. Using online courses and training programs can be an effective way to obtain higher education and improve career

opportunities, as well as prepare people for the changes that are taking place in the economy of society.

Uzbekistan is also experiencing changes in the digital economy and online education. In particular, in 2020, the government launched the Mental Arithmetic program, which includes online courses for children aged 5 to 14 years to develop thinking skills, concentration and mathematical problem solving.

In addition, online courses in programming languages, IT technologies and digital marketing are actively developing in Uzbekistan. In 2021, the first online course on social media marketing in Uzbekistan was launched.

Also in Uzbekistan, a digital platform “OSON va QULAY” (Easy and Convenient) has been created, on which you can find online courses in various areas, including economics and business.

Research in the field of digital economy and online education in Uzbekistan is also being carried out. For example, in 2021, a study was conducted on the impact of online education on the development of the technology industry in Uzbekistan. The study showed that online education makes it possible to increase the number of IT specialists, which in turn contributes to the development of the digital economy in the country.

In addition, many events and conferences in the field of digital economy and online education are held in Uzbekistan. For example, in 2021, the conference “IT Transformation: Digital Economy and Education” was held, where current topics were discussed, such as the development of online education and digital transformation of business.[1.200]

Thus, the digital economy and online education in Uzbekistan are receiving increasing development and attention from the government, business and the public. The development of these areas helps not only to provide quality education to the population, but also to increase the country's competitiveness at the international level.

CONCLUSION.

In conclusion, we can say that the digital economy and online education are two important areas of development that are closely related. The development of digital technologies and the transition to a digital economy are creating new opportunities for online education, allowing people to receive quality education anytime and anywhere.

On the other hand, online education helps people adapt to the digital economy by providing them with the necessary skills and knowledge. Thanks to online education, people can learn new professions that are required in the digital economy and increase their competitiveness in the labor market.

It is important to note that the digital economy and online education are of great importance for the future of our country and the world as a whole. The development of these areas is necessary to ensure economic growth and improve people's living standards. Therefore, it is important to continue investing in the development of the digital economy and online education, creating new projects and research so that our country can be at the forefront in this area and successfully compete in the global market.

It is also worth noting that today many universities and educational institutions around the world are actively switching to online learning, which indicates the significance of this trend. This helps to expand the availability of education and reduce its cost, as well as improve the quality of education using modern technologies and methods.

However, despite all the advantages of online education, it is important to remember that it cannot completely replace the traditional form of education and is not suitable for everyone.

Some people may find it difficult to stay motivated and disciplined when studying online, and may miss the personal interaction with teachers and fellow students.

Thus, it is important to find a balance between traditional forms of learning and online education to ensure maximum effectiveness and accessibility of education for all.

In general, the digital economy and online education are important trends of our time, which carry enormous potential for the development of our country and improving the quality of life of people. Therefore, it is necessary to continue research and investment in these areas in order to cope with the challenges of the modern world and achieve new heights in development.

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