

T.G. Iskhakbayeva\*<sup>1</sup>, L.A. Shkutina<sup>2</sup>, M.K. Yelshina<sup>3</sup><sup>1,2,3</sup> Karaganda University named after E.A. Buketov (Karaganda, Kazakhstan)**DIGITALIZATION OF THE EDUCATIONAL PROCESS AT THE UNIVERSITY:  
ADVANTAGES AND PROSPECTS**

*In the article, the authors analyze the process of digitalization of the educational process at the university. The relevance of the topic is determined by the special role of the use of innovative technologies in the learning process. In the process of modernization of the education system, innovations are introduced into the educational process of universities from year to year, which in one way or another are aimed at improving the quality of education. The authors characterize the current state of digitalization of the educational process of the Republic of Kazakhstan and note the advantages of using digital technologies. In addition, the authors analyze the further prospects of the digitalization process.*

**Keywords:** education; digitalization; innovations; digital technologies; educational process; higher educational institution.

**ЖОҒАРЫ ОҚУ ОРЫНДАҒЫ БІЛІМ БЕРУ ПРОЦЕСІН ЦИФРЛАНДЫРУ:  
АРТЫҚШЫЛЫҚТАРЫ МЕН БОЛАШАҒЫ**T.G. Исхакбаева\*<sup>1</sup>, Л.А. Шкутина<sup>2</sup>, М.К. Ельшина<sup>3</sup><sup>1,2,3</sup> Е.А. Бөкетов атындағы Қарағанды университеті (Қарағанды, Қазақстан)

*Мақалада авторлар жоғары оқу орындағы білім беру процесін цифрландыру бойынша талдау жүргізеді. Тақырыптың өзектілігі оқу процесінде инновациялық технологияларды қолданудың ерекше рөлімен анықталады. Білім беру жүйесін жаңғырту процесінде жыл сайын жоғары оқу орындарының оқу процесіне қандай да бір жолмен білім беру сапасын арттыруға бағытталған инновациялар енгізіледі. Авторлар Қазақстан Республикасының білім беру процесін цифрландырудың қазіргі жай-күйіне сипаттама береді және цифрлық технологияларды пайдаланудың артықшылықтарын атап өтеді. Сонымен қатар, авторлар цифрландыру процесінің перспективаларын талдайды.*

**Кілт сөздер:** білім беру; цифрландыру; инновациялар; цифрлық технологиялар; білім беру процесі; жоғары оқу орны.

T.G. Исхакбаева\*<sup>1</sup>, Л.А. Шкутина<sup>2</sup>, М.К. Ельшина<sup>3</sup><sup>1,2,3</sup> Карагандинский университет им. Е.А. Букетова (Караганда, Казахстан)**ЦИФРОВИЗАЦИЯ ОБРАЗОВАТЕЛЬНОГО ПРОЦЕССА В ВУЗЕ: ПРЕИМУЩЕСТВА И  
ПЕРСПЕКТИВЫ**

*В статье авторы проводят анализ процесса цифровизации образовательного процесса в вузе. Актуальность темы определяется особой ролью использования инновационных технологий в процессе обучения. В процессе модернизации системы образования из года в год в учебный процесс вузов вводятся нововведения, которые так или иначе, направлены на повышение качество образования. Авторы дают характеристику современного состояния цифровизации образовательного процесса Республики Казахстан и отмечают преимущества использования цифровых технологий. Помимо этого, авторы анализируют дальнейшие перспективы процесса цифровизации.*

**Ключевые слова:** образование; цифровизация; нововведения; цифровые технологии; образовательный процесс; высшее учебное заведение.

With the development of modern innovative technologies, changes in the education system are inevitable. Mass digitalization of all spheres of activity could not ignore the higher education system.

The process of digitalization is not only a powerful step forward, but also the transformation of all systems of society, including the transformation of consciousness and perception of people. Digitalization is the use of digital methods of processing information for its rapid perception. Digitalization is the integration of two or more sciences, for example, pedagogy and economics, pedagogy and cybernetics, etc. Moreover, digitalization of the educational process has been able to create a new branch of traditional science – digital pedagogy.

The relevance of this research is due to one of the main roles of education in the life of modern society, which is guided by the principles and views of modern society policy. Education and the educational process as a whole are the vector of development of the post-industrial era.

The Message of the President of the Republic of Kazakhstan K.K. Tokayev to the People of Kazakhstan mentions improving the quality of information systems for remote learning formats [1].

The global pandemic dictated new rules in the education system, transferring the learning process from the "face-to-face" format to digital. Like any other innovations, digitalization of the educational space has its advantages and disadvantages.

According to the UN, the pandemic affected 94% of the total number of students, which is almost 1.6 billion students in 190 countries [2]. Although the closure of schools and universities hit traditional education systems particularly hard, they were still able to withstand the storm with the help of digital learning tools. In fact, the limitations of the pandemic have dramatically increased the demand for digital educational technologies in general.

Accordingly, the process of digitalization cannot take place without any changes and losses in the education system itself. Digitalization of the educational process in a higher educational institution obliges to solve a number of problems such as organizational, methodological, psychological, social, etc. The purpose of our research is to identify and identify the advantages and disadvantages associated with the digitalization of the educational process, as well as to identify and identify aspects that require some attention.

To achieve this goal, the following methods were used: dialectical method, analysis of psychological and pedagogical literature on the problem of research, synthesis of social processes.

Digitalization in the field of education has attracted the attention of world science since the late 90s of the XX century, from the period that is marked as the dawn of information technology. This interest is explained by the fact that there are advantages of using digital technologies in the educational process, which allow me to meet modern economic standards.

A number of scientists made their contribution to the study of the problem of digitalization, who not only identified the advantages, but also indicated the trends in the development of this process. The issue of digitalization of the educational process was raised in the research of the following scientists: T.S. Akhromeeva [3], D.I. Dubrovsky [4], V.A. Kutyrev [5], E.V. Maslanov [6], D.A. Macheret [7].

The object of our study is the digital culture of the modern Kazakh education system. Introduction to the problems of the philosophical and cultural approach to the study of the role of digital technologies in shaping the image of the culture of the future, associated with the need for theoretical generalizations and practical implementation of the management of digitalization processes in relation to the new conditions of civilizational development of society, is based on the use of an interdisciplinary approach.

Digitalization of the educational process at the university creates an individual educational environment, which can include not only the book textbooks we are familiar with, but also Internet platforms, various electronic textbooks and much more, which creates educational content. And this educational content can create its own virtual table, at which the student will study. Digitalization also helps to apply an individual approach to learning, revealing the capabilities of students and giving the mind dependence in creating their own educational content.

A higher education institution is not only an educational institution whose main goal is to issue diplomas on the successful development of a particular educational program, but also an opportunity to develop all the best skills and qualities that will be needed throughout life. Digitalization of the educational space contributes to the development of rigid and flexible skills, critical thinking skills, collaborative work and much more.

The formats of learning through digital games, which are beginning to be used in professional education, have a positive significance for the formation of significant personality qualities of a modern professional. Game simulations allow you to reproduce real-life situations in training sessions according to the training profile.

Of course, digital technologies introduced into the educational process allow us to develop skills for effective search and processing of information, new forms of «remote» communication, visualization of things and processes being studied or studied.

The realities of the modern educational process are such that the main feature of education is its globality, due to the integration processes taking place in the world and the interaction of states in different areas of society. Thus, education is gradually moving from national priorities of developed countries to global priorities.

We believe that the modernization of the higher education system of our country is inevitable because science and education are the vector of development of all mankind. It follows that education should develop

in step with the times, without abandoning innovations, if they have a positive impact on the educational process itself. Further digitalization will dictate new rules that emphasize the important role of innovative technologies in the formation of an effective educational environment, which will help to increase the level of knowledge acquisition, the development of creative abilities of students, the formation of readiness to apply theoretical knowledge in practice using modern technologies. The use of innovative technologies in educational activities is a prerequisite for the training of high-quality specialists.

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#### ҚАШЫҚТАН ОҚЫТУ БАРЫСЫНДА ЖЕТКІНШЕКТЕРМЕН ҚАРЫМ-ҚАТЫНАС ЖАСАУДЫҢ ПСИХОЛОГИЯЛЫҚ ЕРЕКШЕЛІКТЕРІ

*Қарым-қатынас – адамдардың өзара әрекеттестік пен қатынас жасаудың бірден бір формасы. Ғылыми мақалада қашықтықтан оқыту барысында жеткіншектік кезеңдегі қарым-қатынастың психологиялық ерекшелігіне жан-жақты талдау жасалынады, мінез-құлықтың және сананың қалыптасуы қарастырылады. Мақалада оқушылардың жас кезеңдері негізгі назарға алынады. Мақсаты - оқырманға жеткіншектердің психикалық дамуын, қашықтықтан оқыту процесіне қалыптасу заңдылықтарын түсіндіру, көрсету.*

**Түйін сөздер:** қарым-қатынас, жеке тұлға, жеткіншек, психология, мінез-құлық, сана, даму, «мен», қашықтықтан оқыту, онлайн.

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#### ПСИХОЛОГИЧЕСКИЕ ОСОБЕННОСТИ ОБЩЕНИЯ ПОДРОСТКОВ В ПРОЦЕССЕ ДИСТАНЦИОННОГО ОБУЧЕНИЯ

*Коммуникация – это одна из форм человеческого взаимодействия и общения. В научной статье проводится комплексный анализ психологических особенностей взаимоотношений в*