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ADVANCES OF DIGITAL TECHNOLOGY IN HIGHER EDUCATION

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Abstract. The paper deals with the achievements of digital technologies in higher education. It's unthinkable today to live without technology. Technologies Involved in all areas of human activity and saves a lot of time and effort. Technologies have had and will continue to have a significant impact on higher education, while technological innovation will have a major impact on teaching methodologies. Through technology, the learning process becomes more diverse, more attractive, more stimulating. The use of information and communication technologies is also one of the most effective visualizations during the lesson, which makes it easy to perceive and understand the new information provided to students. Today's education process without technologies is less interesting and informative, hence the availability of information and communication technologies and the study of integration in education is topical.

Keywords: digital technologies, learning process, integration in education

ДОСТИЖЕНИЯ ЦИФРОВЫХ ТЕХНОЛОГИЙ В ВЫСШЕМ ОБРАЗОВАНИИ

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Аннотация. В статье рассматриваются достижения цифровых технологий в высшей школе. Сегодня немислимо жить без технологий. Технологии задействованы во всех областях человеческой деятельности и экономят массу времени и сил. Благодаря технологиям процесс обучения становится более разнообразным, более привлекательным, более стимулирующим. Использование информационно-коммуникационных технологий также является одним из самых эффективных способов визуализации во время урока, что позволяет легко воспринимать и понимать новую информацию, предоставляемую учащимся. Сегодняшний образовательный процесс без технологий менее интересен и информативен, отсюда и доступность информационно-коммуникационных технологий, и актуальность изучения интеграции в образовании.

Ключевые слова: цифровые технологии, процесс обучения, интеграция в образовании

INTRODUCTION. The use and development of modern information and communication technologies is a necessary precondition for the successful development of any country and society, with a clear perspective. It fundamentally changes all public relations, creating a new, information society. Without digital technologies,

the progress of humanity, any sphere of life, world security, effective international relations, education system, socio-economic progress, development of civil society, creation of a state governed by the rule of law is inconceivable. Over the last few decades, the development of information technology has reached such a level and scale that the XXI century is literally pre-recognized as a new stage in the gradual development of mankind - the so-called. As a period of formation of electronic society. Most students actively use computer and Internet opportunities to get an education. Today it is necessary to use digital technologies to acquire and deepen knowledge. It makes the learning process accessible. Using technologies to connect people with each other, determines the development process of a society. The computer program provides the student with so much deep and extensive information, enriched with effective visuals, that it is inaccessible to the traditional method of teaching. It dramatically expands teaching opportunities.

Nowadays, it is impossible to live without technology. Technologies are engaged in all areas of human activity, and a great deal of time and effort is made by people. Various countries are concentrating more on information and communication technologies in education and communication technologies, as its curriculum is becoming more and more varied, giving students a stimulus. Also, the use of information and communication technologies is one of the most effective ways in the course of the lesson that makes it easy to understand and make new information available for the students, so that, the government has taken a number of steps to develop the accessibility of the digital technology and its integration into the education, according different researches the process of education is uninteresting and less informative without technologies. So Research of the availability of information and communication technologies and their integration into the learning process is relevant (Allen, I.E., & Seaman, J. 2015).

The 21st century is the age of technology. It is impossible to succeed in personal activities or education without the use of technology in today's life. Technologies help us in our daily lives and make it easier for us to perform various tasks or solve problems. The integration of information and communication technologies in the learning process has many positives. Its use in teaching stimulates students' greater involvement in the teaching process and their great interest in the lesson topic. Their involvement in education is also very important as we ensure to adapt to the next generation of innovative technologies, because without it students will find it difficult to develop technological skills, which will be an impediment to their future success. The involvement of information and communication technologies in education is given great attention by different countries, because through them the learning process becomes more diverse, attractive to students, stimulating. The use of information and communication technologies is also one of the most effective visualizations during the lesson, which makes it easy to perceive and understand the new information provided to students (Vawn, H. 2018).

The 21st century has been called the digital age. Indeed, new technologies have created a new era. Information technologies have formed new connections, given new opportunities to humanity. That is why today, many developed countries are trying to integrate information and communication technologies in various fields. The fact that a person can save a lot of time by using information and communication technologies in his / her work makes the use of digital technology even more important, because it reminds us of how fast we live in the era of communication. Information technology is being introduced in the field of education (Ahmadi RA, 2018).

Today, without computer technology, it is impossible to conduct any activity, so it is important to include information and communication technologies in education, because we will ensure the adaptation to the next generation of innovations and the development of the world and promote their integration into the future digital world. Through digital technology the student can access unlimited information and he / she becomes part of the "information society".

The modern period of society is characterized by the active use of digital technologies that enhance all areas of human activity. The active use of digital technologies implies the implementation of ideas for the development of education, as well as the adaptation of the younger generation to a new information society.

The positive impact of the introduction of digital technologies in the university is reflected in the development of the educational process (Sert N, Boynuegri E.2017).

Technologies allow us to conduct multi-modal training, to make modifications in the curricula. Technologies really have the biggest positive impact on universities. Higher education responds to globalization.

LITERATURE REVIEW. Today, through technology, education is available to people living in almost every corner of the globe. This is one of the areas that is developing very fast. The generation born in the "technological age" is very quickly absorbing the technological advances of mankind. It is much easier for them to master digital technologies. In 2001, Mark Prenski coined the term "digital aboriginal" to describe people who were born and raised after digital technologies became firmly entrenched in our lives. Thanks to technology, in the modern world there are no more geographical or social barriers, numerous e-learning courses have been created, as well as universities, where teaching is conducted entirely electronically and is much more accessible to students living in other countries (Kıncal R, Ozan C, İleritürk D, 2019).

The use of information and communication technologies has many positive aspects:

- Facilitates the display of interrelationships. This is very important in the teaching process.
- It is possible to create visuals that are necessary for a good understanding of a new topic or concept.
- The use of information and communication technologies helps to develop innovative approaches and also to develop creativity in students, as a result of which the student becomes active and manages to realize his talent, he is creative in the learning process and is involved in it, which is consistent with the constructivist approach (Rashid T, Asghar HM, 2016).

The use of information and communication technologies in the learning process provides the greatest opportunities for the teacher to make the lesson more interesting and easy to understand. Because, as we know, visualization is one of the most important principles of teaching, it provides visualization of the material, which facilitates the comprehension of the text.

Everyone knows the attitude of students towards technology. Studies have shown that students are more interested in materials provided using technology because it is easier and more fun for them to learn new material in this way (Halili S.H., Nurul, H., & Rafiza, A.R. 2018).

When we talk about information and communication technologies, we cannot ignore e-learning, because it refers to teaching using digital technologies. It involves teaching using information and communication technologies and the Internet. There are 3 types of e-learning: 1) Distance learning, which involves conducting the learning process without the direct presence of the teacher; 2) Attended teaching requires the student and teacher to be in the same place during the teaching process, while the material is transmitted electronically; 3) In hybrid learning the main focus is on distance learning.

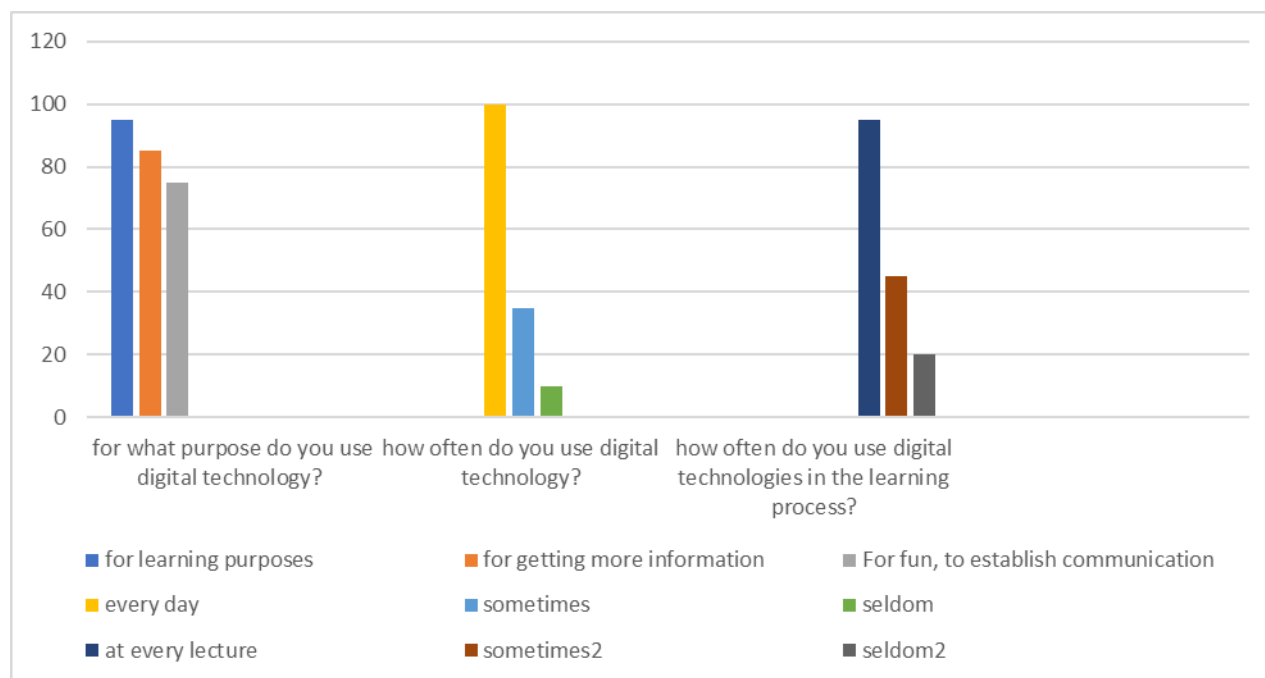
E-learning includes teaching methods, content, goals, tools, etc. In e-learning, the student is more individualistic and creative as he or she works independently. The positive aspects of e-learning, such as saving material and time, should also be considered. How convenient it is to take the desired courses without leaving home, so that you do not have to choose the time (Al-Bataineh A, Harris J, Al-Bataineh M, 2016)

RESEARCH METHODS. The study used questions focused on using digital technology by students in the learning process. As part of the research component, we conducted a quantitative survey through which we interviewed more than 100 students. We interviewed students through social media.

Survey questions are:

- for what purpose do you use digital technology?
- how often do you use digital technology?
- how often do you use digital technologies in the learning process?

RESULTS



The question is, for what purpose do you use digital technology? As it turned out, some students not only use digital technology for learning purposes, but also have access to various websites. Based on the students' answers, we can conclude that they use digital technology: for educational purposes, to obtain and process more information about the material included in the curriculum; For fun, to establish communication. The question is, how often do you use digital technology? As can be seen from the student responses, the majority use digital technology on a daily basis. The question is, how often do you use digital technologies in the learning process? Student responses show that the majority use digital technology for educational purposes on a daily basis.

CONCLUSION. The study found that access to information and communication technologies is high among students. Students' attitudes towards involvement in information and communication technologies in the learning process are positive. In their opinion, using technologies, the learning process becomes more interesting and simple. The study found that some teachers are quite active in the use of information and communication technologies in the teaching process, which, in their opinion, makes the lesson process more active, creative and interesting. This fact is really good for the students, because due to the positive attitude of the students they are more motivated and happier with the learning. Technologies should be used in teaching, as they are one of the best visualizations, and students are happy to complete assignments using technology. The use of information and communication technologies has many advantages. Based on the answers of most of the students, we can highlight the following advantages of digital technologies: fast information retrieval, interesting learning process, fun lessons, which increases their interest in the lessons. It should be noted that students are also aware of the disadvantages of technology that can harm them, this is good because they will try to avoid using technologies that would endanger their health or education. Most students have a positive attitude towards the use of information and communication technologies in education: It is necessary to realize all this properly and to integrate information and communication technologies in the education system. Technology makes the learning process more fun and diverse.

The development of information technology has had a significant impact on the formation of the learning process in general. Teaching a foreign language is no exception. The inclusion of electronic means

in the learning process should ensure the development of all the necessary skills and competencies and the opportunity for knowledge to achieve the learner's goal Required. The diversity of teaching, the delivery of materials through different methods facilitates and encourages the teaching-learning process. The student, who receives information in completely different conditions and in different forms, builds the coding system faster and manages to organize the information. By integrating electronic language courses, it is possible to diversify the complex and lengthy process of language learning. The student is no longer limited in time and space.

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