

THE IMPACT OF INFORMATION AND COMMUNICATION TECHNOLOGIES ON THE EDUCATIONAL PROCESS IN HIGHER EDUCATION INSTITUTIONS

There is no doubt that the impact of information and communication technologies (ICTs) on the educational process in higher education institutions (HEIs) is significant and multifaceted. ICT transforms traditional approaches to learning, facilitates the creation of new forms of education and improves the overall efficiency of the educational process, provides students and teachers with quick access to a huge number of educational materials, electronic libraries, scientific articles, video lectures and other resources, which positively affects the in-depth study of subjects and allows students to stay up to date with the latest scientific achievements.

The use of ICTs allows for the introduction of interactive teaching methods, such as online courses, virtual laboratories, webinars and interactive tests. Distance learning is becoming available to students from different regions, which increases the accessibility of higher education. ICTs make it possible to adapt curricula to the individual needs of students. Teachers can use electronic platforms to monitor the progress of each student and provide them with individual assignments and recommendations. The educational process integrating ICTs contributes to developing important digital skills and competencies in students, which are necessary for successful professional activities in modern society.

ICT facilitates communication between students and teachers through email, chat rooms, forums and social networks. This facilitates the active exchange of ideas, group work and joint research projects. ICTs allow for the automation of many administrative processes, such as course registration, class schedule management, student progress records, etc. This reduces the bureaucratic burden on administrative staff and teachers.

Despite its many benefits, introducing ICTs into the educational process faces certain challenges. These include issues of technical support, training teachers to work with new technologies, maintaining information security and ensuring equal access to ICT for all students. The introduction of information and communication technologies (ICT) into the educational process of higher education institutions (HEIs) has certain advantages and disadvantages. Let us consider them in more detail.

The advantages of introducing information and communication technologies (ICT) into the educational process of higher education institutions (HEIs) include improved access to information (quick access to a large number of educational materials, electronic libraries, scientific articles, video lectures and other resources; the ability for students to independently search for and use additional sources of information); interactive teaching methods (use of multimedia materials, virtual laboratories, simulations and interactive presentations); the possibility of conducting webinars, online discussions and video conferences); distance learning (providing an opportunity to receive education regardless of the student's place of residence, increasing the accessibility of education for people with disabilities); personalization

of learning (using adaptive learning systems that adapt to individual needs and level of knowledge of the student, the possibility of providing individual tasks and recommendations); improvement of communication (facilitating interaction between students and teachers through e-mail, chats, forums, etc. Effective management of the educational process (automation of administrative processes such as course registration, timetable management, academic performance, reduction of the bureaucratic burden on administrative staff and teachers). Development of digital competencies (development of important digital skills necessary for the modern labour market, increasing the overall level of computer literacy).

The disadvantages of introducing information and communication technologies (ICT) in the educational process of higher education institutions (HEIs) include: technical problems in the use of ICT (the need to constantly update technical equipment and software; risks of technical failures and problems with the Internet connection); high costs (high cost of implementing and maintaining ICT infrastructure, the need for additional financial resources for staff and student training); information security problems (risks of cyber-attacks, data leaks and privacy violations; need for constant monitoring and protection of information systems; social inequality (different levels of access to ICT for students from different socio-economic groups, the possibility of widening the gap between students who have and do not have access to modern technologies); adaptation problems (difficulty of teachers adapting to new methods of teaching and working with ICT, resistance to change on the part of some teachers and students); reduced personal interaction (a possible reduction in the number of direct contacts between students and teachers, the risk of losing the skills of live communication and teamwork).

To sum up, information and communication technologies have a significant impact on the educational process in higher education institutions, opening up new opportunities for learning and teaching. However, the effective implementation of ICT requires a comprehensive approach that includes technical, pedagogical and organizational support. The introduction of ICTs into the educational process of higher education institutions has many advantages that can significantly improve the quality of education and make it more accessible and effective. However, to maximize the potential of ICTs, it is necessary to consider and address possible disadvantages by providing technical, financial and organizational support.

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