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DIGITAL EDUCATION IN WAR CONDITIONS

The beginning of a full-scale Russian-Ukrainian war has strengthened the challenges facing the institutions of higher education in Ukraine. In the conditions of war and constant air anxiety it is difficult to adhere to a steady schedule of training and planning of educational activity. The need for new approaches to education with absolute limitations of classroom training remains a problem for the educational community.

According to the current information of the Ministry of Education and Science of Ukraine, 2663 educational institutions were damaged by bombing and shooting of invaders from the Russian Federation. 326 of them are completely destroyed.

The sphere of education, like all other spheres of society life, has undergone strong changes in the conditions of military condition. According to the Decree of the President of Ukraine "on introduction of the military condition in Ukraine" dated 24.02.2022 № 64/2022, all Ukrainian educational institutions have switched to the remote form of training according to their possibilities.

In this connection, the educational institutions have faced the urgent need to increase the level of digitalization of all their activities by introducing new training technologies that meet the requirements and objectives of distance learning as much as possible and ensure that students acquire the knowledge, skills and skills they need.

In the context of the military situation, the national institutions of higher education reacted promptly to the difficult situation, managed to adapt in time to new requirements: Developed and implemented the necessary measures for transition to remote and mixed models of organization of the educational process, using modern digital technologies.

Digital education is now adapting to the opportunities offered by information and communication technologies, and is functioning through digital technologies (electronic transactions that are realized through the use of the Internet). The most popular electronic platforms and applications with which distance learning is realized: Zoom, Google Meet, Moodle, Classroom, Prometheus, Coursera, FutureLearn, Udacity, OpenLearn, etc.

Among the basic educational technologies that provide realization of digital education include: Adaptive training, technologies of distance and mobile education, technology of "inverted class" and others.

The basic principles of the system of distance education are: Flexibility, modularity, dynamics, adaptability, continuity, creativity and openness. It is based mainly on the independent reception of the necessary volume and quality of knowledge and provides a combination of a wide range of traditional and newest information technologies.

Adaptive learning is, in fact, a digital tutoring for each student, providing each teacher with direct support.

The advantages of such a system of education are to provide the students with more opportunities for free choice of their own educational path, the level of competence mastering, the regulation of the pace of training and the terms of learning material, the planning of independent and individual work on a particular topic.

Adaptive learning is based on the following principles:

- taking into account the needs and peculiarities of each student;
- provision of the tutor (assistant) support to each student;
- organization of exclusive and personalized training.

Mobile learning (M-learning) refers to the use of mobile and portable devices, including PDA (Personal Digital Assistants), mobile phones, laptops and tablets in the educational process.

Since computers and the Internet are the necessary educational tools, and mobile computer technologies become more portable, accessible and easy to use, this leads to the spread and application of M-learning among student youth.

M-learning puts the following principles on the front line:

- individual approach. M-learning through a mobile device provides the educational process of individuality, students have the opportunity to choose the content of study taking into account their interests, as a result of which mobile training becomes oriented on individual student;
- activity and independence. M-learning provides an opportunity to pass training independently at convenient time, creates conditions for increase of activity, initiative display in the process of group training in interaction with others;
- purposefulness and system. Prompt access to information helps to increase effectiveness of step-by-step formation of mental actions by expanding the activity of the practical sphere of development of the person through activation of its self-managing mechanisms.

The main feature of the “Flip Class” model is that the primary goal for students is to work in an online environment: To view educational videos or information resources to develop a new educational material or to consolidate a study.

Digital education is a strategic goal and it is worth recognizing that its achievements include the realization of three main tasks – success factors of the digital education system.

1. Stimulation of processes of penetration of technologies into programs of training.

2. Acquisition of digital technologies by the educational system and adaptation of traditional teaching methods to the requirements of high-tech, post-industrial society, following the strategy of balanced use of traditional and informal tools for educational processes.

3. Intensification of practical use of technologies in education.

A large number of employees of educational institutions as a result of the Russian attack were forced to leave abroad or are internally displaced persons, does not prevent them from performing their functions in the part of distance learning students.

Within the framework of the program of support of Ukraine by Google and the international organization "UNESCO", educators received about 60 000 digital decays for education. This helps them to continue the educational process in a remote format in the conditions of war.

Digital education is a modern trend that has been stimulated by the intensification of digital transformations, the spread of digital and information communication technologies

References:

1. Areshonkov V. C. Digital higher education: Challenges and answers. The Bulletin of the National Academy of Sciences of Ukraine. 2020. No. 2 (2). C. 1-6. 2.

2. Bykov V., Spirin O., Pinchuk O. Modern tasks of digital transformation of education. UNESCO Chair "continuing professional education of the XXI century". (1), 2020. C. 7-36. DOI: [https://doi.org/10.35387/ucj.1\(1\).2020](https://doi.org/10.35387/ucj.1(1).2020). – C. 27–36.

3. Gourevich R. S., Kademina M. Yu., Opushko N. R., Ilinytska T. C. Plahotniuk, G. M. The role of digital learning technologies in the age of civilization. Modern information technologies and innovative methods of training specialists: Methodology, theory, experience, problems of issue 62. – 2021. – WITH. 28-38.

4. Digital Adzhend of Ukraine – 2020. Available at: <https://ucci.org.ua/uploads/files/58e78ee3c3922.pdf>.