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Nataliia Yevtushenko, candidate of technical sciences,
associate professor, associate professor of the department
«Occupational safety and environment»,
National Technical University «Kharkiv Polytechnic Institute»,
Kharkiv, Ukraine

Olga Ponomarenko, doctor of technical sciences, professor,
professor of the department «Foundry»,
National Technical University «Kharkiv Polytechnic Institute»,
Kharkiv, Ukraine

Olga Sukhenko, lecturer,
Professional College of the National Pharmaceutical University
Kharkiv, Ukraine

APPLICATION OF DIGITAL TECHNOLOGIES IN ACTIVITY EDUCATIONAL INSTITUTIONS OF HIGHER TECHNICAL EDUCATION

Abstract. The work systematizes concepts that characterize the need to implement transformation processes in education, which involve updating the knowledge system and the need for a teacher in an educational organization to adapt to changes in interpersonal interaction using digital technologies. The essential characteristics of the used digital technologies are described, which predetermines the creation by the teacher in the educational electronic environment of conditions for active learning activities of students.

Keywords: digitalization, digital technologies, digital information, educational process.

Анотація. У роботі систематизовані поняття, що характеризують необхідність здійснення трансформаційних процесів в освіті, які передбачають оновлення системи знань та необхідність адаптації педагога освітньої організації до змін у міжособистісній взаємодії з використанням цифрових технологій. Описано сутнісні характеристики використаних цифрових технологій, що зумовлює створення викладачем в освітньому електронному середовищі умови для активної навчальної діяльності студентів.

Ключові слова: цифровизація, цифрові технології, цифрова інформація, освітній процес.

The modern development of society is characterized by an increase in the dynamism of all human life processes, an increase in the dependence of interpersonal interaction with the use of digital technologies in all spheres of activity. In a short

period of time, they have significantly changed our everyday life, in which the signs of the digital economy are becoming more and more visible every day. Universal availability of information increases the possibilities of its transparency in all spheres of life. This determines the modern reality and relevance of the digital transformation of a teacher's professional activity.

Currently, a large amount of available information is generated in society, which determines the rapid updating of the knowledge system and the need for the teacher of an educational organization to adapt to changes in interpersonal interaction using digital technologies, socio-cultural conditions and situations of market competition, which require personal flexibility, adaptability, and continuous improvement. professional level[1]. Thus, innovative technologies mean special forms and methods that are combined with the methods and skills of the teacher in the organization of the educational process, aimed at organizing active learning from the position of realizing the potential opportunities of the learner.

The concept of "digital technologies" is defined as technologies that use digital information transmission signals. Some scientists characterize it as "coded into discrete signal pulses." In the classical sense, we interpret it as an electronic method of processing and transmitting information with the help of coding symbols used in computer equipment and computer technologies. The analysis of international legal acts revealed the active use of the term "digital technologies". In the scientific works of foreign researchers, attention is focused on the fact that professional associations, publishing and technological companies should support and strengthen the efforts of teachers of higher education institutions in the implementation of digital technologies for the purpose of continuous improvement of the learning process [2]. This ensures the success of the individual's educational trajectory, demand in the labor market and in society in general.

According to the results of the monitoring of online resources, it was found that digital tools allow the teacher to create conditions for the active educational trajectory of students in the electronic educational environment. They are classified according to

directions: tools for setting an educational problem, summarizing the studied material, summarizing; tools for checking and consolidating knowledge, forming critical thinking; tools for organizing group work, reflection; tools for organizing independent work [3].

From the point of view of ensuring the implementation of the planned learning outcomes and the implementation of formative assessment in the educational environment of the educational organization of higher education, we will highlight three criteria for the selection of digital technologies: ensuring interactive information interaction in the learning process; adaptation to the individual characteristics of students; the possibility of synchronous or asynchronous interaction of subjects of educational activity.

Thus, the systematic use of digital technologies in the educational environment, readiness and ability for technological, organizational, social innovations, cooperation and mutual responsibility becomes a determining indicator of competitiveness in the labor market in the teacher's professional activity. In the conditions of global processes of digital transformation of all spheres of social life, the need for interaction between the teacher and students in the educational environment of the educational organization of higher education is increasing, both in the traditional format and with the use of digital technologies.

At the same time, the issue of level indicators of digital competence of a modern teacher of an educational organization of higher education remains open. The use of digital technologies enriches traditional teaching methods with new forms of presentation of educational information and methods of interaction, which are characterized by dynamism and mobility. Their use by the teacher in the educational process for educational tasks and formative assessment ensures the inclusion of the student in the processes of information exchange, maintaining an individual approach to everyone, creating conditions for self-realization, cooperation, reflection, etc. The assessment provides students with information about how well the learning material has been developed and what aspects need improvement. Also, evaluation is not only a

recording by the teacher of the results of the completed educational tasks, but also a means of managing the student's development [4]. The selection of digital technologies for the creation of educational tasks depends on the educational goals.

The process of educational interaction using digital technologies becomes more flexible, accessible and personalized, which meets the challenges of modern society. Their active implementation in education is an important factor in the modernization of the education system and meets the requirements of reforming the education system.

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