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ZAKHAROVA Valeria,
HRYTSENKO Anna,
Faculty of International Trade and Law,
course I, group 8, specialty 081 "Law",
State University of Trade and Economics,
Kyiv, Ukraine

Scientific supervisor
Rudeshko Yevheniia,
Senior Lecturer of the Department
of Modern European Languages, SUTE

IMPACT OF DIGITAL TRANSFORMATION ON EDUCATION

First of all, it is necessary to point out that transformation is defined in the Cambridge Dictionary as a complete change in the appearance or character of something or someone [7]. Digital transformation in education

and science is a comprehensive effort to build an ecosystem of digital solutions in education and science, including the creation of a secure electronic learning environment, provision of the necessary digital infrastructure for educational and scientific institutions, raising the level of digital competence, digital transformation of processes and services, and automation of data collection and analysis [5].

At the same time, the rapid spread of digital technologies in education is characterized by their inability to fully realize powerful educational potential, in particular, in the development of cognitive, creative, cultural, linguistic and social competencies of an individual. The scientific and practical interest in the introduction of open education in the international educational space is actualized by new educational opportunities created by the continuous development of information technologies. The introduction of digital technologies leads to the democratization of education, flexibility in the organization of the educational process and individualization of education based on the individual characteristics of the student [6, c. 65–67].

According to the Concept for the Development of the Digital Economy and Society of Ukraine for 2018–2020, the digital transformation of general secondary education implies the use of digital technologies: from computer labs to digital technologies in every student portfolio and every classroom. Digital technologies should be used during the lessons, in the interaction of participants of the educational process, in the implementation of individual processes, etc [4].

Digitalization is the saturation of the physical world with electronic and digital devices, tools, systems and, of course, the establishment of electronic communication exchanges between them, which actually makes it possible to integrate the interaction of the virtual and physical, that is, to create a cyber-physical space. And digital technologies are defined as "both a huge market and industry, as well as a platform for the efficiency and competitiveness of all other markets and industries. High-tech production and modernization of industry with the help of information, communication and digital technologies, the scale and pace of digital transformation should become a priority for economic development" [1, c. 9–34].

S. G. Litvinova identifies the main directions of digital transformation of the educational process in secondary educational establishments, including the formation of a digital educational environment, the use of cloud technologies, the development of STEM (Science, Technology, Engineering and Math) education, the use of computer modeling and augmented reality, and the development of teachers' skills. Researchers

identify such global educational trends as cloud computing, robotics, digital communications, and the Internet of Things [3, c. 6].

Furthermore, scientists also emphasize the problems associated with the digitalization of educational process, such as lack of access to the Internet, inconsistent use of electronic resources, and the need for support from system administrators. Other researchers point out the growing demand for higher education, the development of new types of universities throughout the world, such as mega-universities and networks of universities without borders, and the need for and benefits of digitalization of education. Some researchers are considering the concept of the digital university and scenarios for its implementation, including the use of virtual and augmented reality, artificial intelligence and other innovative technologies [2, c. 41–42].

Hence, the digital transformation of education is not just a change in learning tools, but a holistic restructuring of the educational environment. Of course, digital transformation has both advantages and disadvantages, but if we overcome the obstacles, we can create an ideal environment for children, pupils and students to learn.

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IHNATOVYCH Oleksandra,
Faculty of Information Technologies,
course II, group 4, specialty "Software Engineering",
State University of Trade and Economics,
Kyiv, Ukraine

Scientific supervisor
Pidkolesna Lyudmyla,
Senior Lecturer of the Department
of Modern European Languages, SUTE

SELF-EDUCATION AND SELF-IMPROVEMENT IN THE DIGITAL AGE

In today's fast-changing digital world, the quest for knowledge and personal advancement has entered a new phase. With the rise of digital technologies and online resources, people now have unprecedented chances to engage in self-learning and self-development. This piece examines how self-directed learning is changing education and personal growth in the digital era.

Empowerment through Self-Directed Learning: A significant aspect of the digital age is the empowerment of self-directed learning. Gone are the days when formal education was the only route to acquiring knowledge. Today, individuals can independently navigate their learning paths, utilizing a wide range of digital resources to pursue their interests. Whether through online courses, educational videos, e-books, or podcasts, the digital realm offers abundant learning opportunities. This democratization of education allows individuals to take charge of their learning journey on their terms.