FORMATION OF THE DIGITAL EDUCATIONAL ENVIRONMENT AND RESEARCH BASICS OF ITS DEVELOPMENTI

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Modern digital technologies create broad opportunities for the effective development of the educational environment. Digital technologies being introduced into the educational process serve the formation of the e-learning system and, along with new opportunities, create certain problems. Such opportunities include expanding educational opportunities, increasing freedom in choosing forms of study, as well as the emergence of various methods and techniques for conveying knowledge.

In the Republic of Uzbekistan, special attention is paid to the development of the higher education system in the context of the digital economy. This is confirmed by a number of regulatory legal acts adopted by the government. These documents emphasize that sustainable development of the country is impossible without the development of digital infrastructure and an increase in the level of knowledge of digital technologies.

In practice, a number of problems arise in the process of implementing digital technologies. They cover, first of all, issues related to information ethics, the protection of personal data, as well as the legal aspects of competition between educational institutions.

Based on the foregoing, the problems encountered in the e-learning system can be conditionally divided into two main groups:

- current (transitional) problems;
- problems related to the specifics of the university's activities.

Current problems, in our opinion, include cases of artificial repetition of traditional

(offline) learning methods in the digital environment. In other words, as a result of the complete transfer of offline teaching methods, their shortcomings will also be preserved. As a result, the following negative aspects arise:

- insufficient effectiveness of quality control of existing educational products;
- low level of interactive student participation;
- simplification of knowledge and competencies.

In addition, among the most important specific shortcomings of the digital education system are the complexity of the socialization process and the difficulties in transmitting hidden (fuzzy) knowledge. The digitalization process also has a significant impact on the structure of the educational services market, leading to its change.

In the future, the main participants in the educational services market are expected to be:

• leading universities, their advantage is determined by the creation of modern and innovative educational products and the training of highly qualified scientific and pedagogical personnel;

• companies that develop e-learning products and global educational platforms (for example, Modul, HEMIS, Google Classroom, etc.).

Of course, among the important advantages of e-learning, one can include such aspects as the expansion of educational opportunities, the increase in the possibility of choosing various professions. Figure 1 shows indicators characterizing the main advantages of the e-learning system.

As can be seen from the data presented in the figure, digital technologies are an effective tool that complements traditional teaching methods. In our opinion, one of the most important advantages is the expansion of socio-economic opportunities. In particular, the possibility of forming socio-intellectual networks based on interests and

the relatively low cost of the educational process (i.e., despite large initial investments, low current costs) are important advantages.

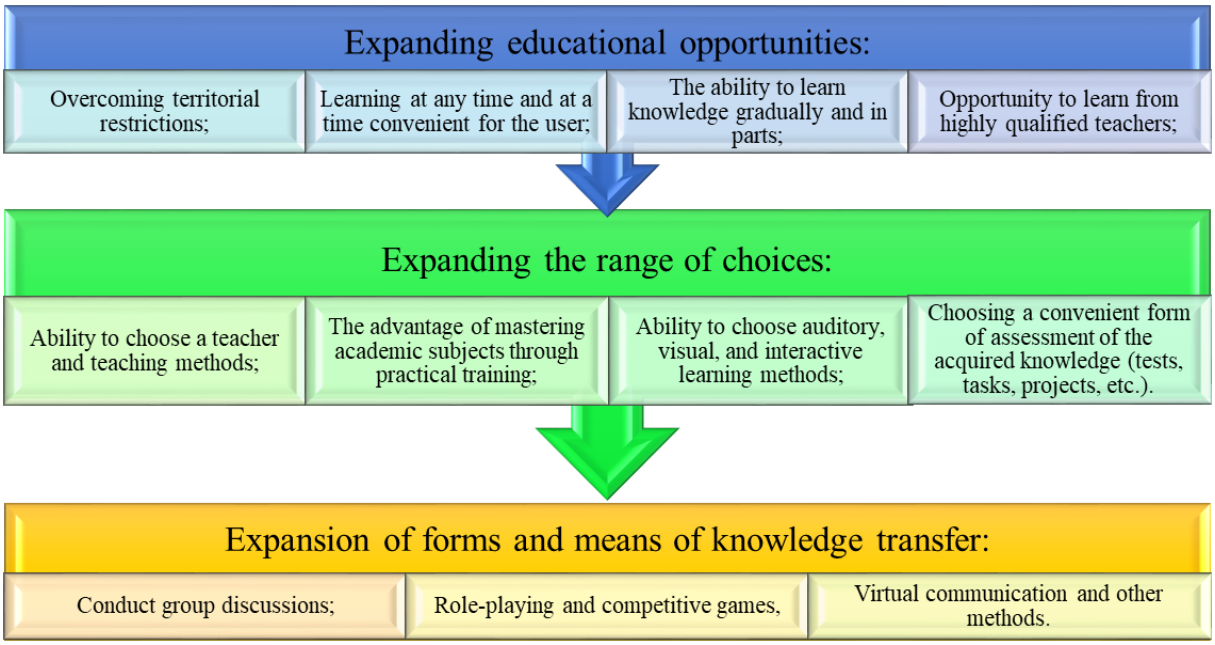


Figure 1. Main advantages of the digital education system and their description.

Based on the foregoing, it can be noted that the introduction of digital technologies plays an important role in the development of the higher and professional education system. However, the formation of a scientifically based approach to the implementation of this process is also necessary.

Training highly qualified specialists is one of the important tasks for the development of our country. Therefore, national science faces the task of not only adapting advanced foreign experience to local conditions, but also developing a scientifically based, forward-looking educational strategy based on the experience of leading national scientific schools and modern digital technologies.

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Заявка на участие в работе конференции

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Тема выступления	Formation of the digital educational environment and research basics of its developmenti
Форма участия (очная/заочная)	заочная