

Problems of Organizing the Learning Process using Digital Technologies

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Abstract:

This article analyzes the problems of organizing the educational process using digital technologies and the difficulties that arise in this process. Currently, digital technologies play a significant role in the education system, but there are also problems that teachers and students face in their effective use. The article shows the widespread use of digital educational tools and the importance of using digital technologies in preparing students for modern knowledge. However, the problems that arise when integrating technologies into education, such as creating a technological infrastructure, training teachers in digital competence, limited resources, and adapting education to individual needs, are analyzed in depth.

Keywords: digital technologies, educational process, digitalization of education, information and communication technologies (ICT), technological integration in education, educational infrastructure, effectiveness of digital education, digital literacy, problems in the education system, modern pedagogy, improving the quality of education.

Introduction

Today, the education system is increasingly interconnected with digital technologies on a global scale. The integration of digital technologies into the educational process is not only about providing students with modern knowledge, but also about introducing teachers to innovative pedagogical approaches, optimizing the management systems of educational institutions, and increasing the efficiency of the educational process. However, there are many problems and difficulties in integrating digital technologies into the educational process. This article examines the main problems that arise when implementing digital technologies in the educational process, their causes, and ways to overcome them.

Digital competence of teachers

The digital competence of teachers is an important factor in the effective use of digital technologies. In order to successfully use technologies in the educational process, teachers must understand modern digital tools, know how to use them for pedagogical purposes, and be able to adapt them to the needs of students. Unfortunately, many teachers, especially those working in primary and secondary education, face difficulties in implementing modern digital technologies in their lessons. This is due to uncertainty about the technologies, lack of skills or lack of opportunities for simple use.

Ways to overcome them:

It is necessary to organize regular advanced training courses, seminars and trainings for teachers.

Teach the effective use of digital technologies in pedagogical activities.

Increase the digital competence of teachers by teaching innovative methods in education.

Technological infrastructure of educational institutions

The technological infrastructure of educational institutions plays an important role in integrating digital technologies into the educational process. Many educational institutions do not have the necessary technological infrastructure and equipment. Limited access to the Internet, the lack of modern technological tools such as computers or interactive whiteboards, delay the process of digitization of education. On the other hand, existing technologies also require constant updating.

Ways to address:

Modernize and upgrade the technological infrastructure of educational institutions.

Provide public and private sector support for the integration of digital technologies into educational institutions.

Expand access to the Internet, especially providing educational institutions in remote areas with digital infrastructure.

Lack of digital educational resources

Digital educational resources are important for making the educational process more effective. Today, some education systems lack digital educational materials, interactive textbooks, video tutorials, educational video and audio materials. The lack of digital resources makes it difficult to provide quality education to students.

Ways to address:

Develop educational programs and platforms, provide students with online materials and resources.

Create digital forms of educational resources and deliver them to educational institutions.

Establish partnerships to create digital materials for students and teachers.

Digital literacy and motivation of students

Students' attitude towards digital technologies and how they use them in education depends on their digital literacy. Students' enthusiasm for knowledge and motivation are also important in learning digital technologies. While some students are interested in learning new technologies, others face difficulties in mastering such technologies.

Ways to overcome them:

Develop special programs aimed at increasing students' digital literacy.

Use innovative teaching methods to interest students in digital education and increase their motivation.

Teach students to actively use digital tools in the learning process.

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