

Status and Prospects of using Modern Educational Trends in a Digital Society

Sokhibov Akram Rustamovich

Shahrisabz State Pedagogical Instituti, Head of the Department of Pedagogy, PhD., Professor

Sevinova Guloyim G'ulom qizi

SHDPI Pedagogical Theory and History, 2nd year master's student

Abstract: This article discusses measures and prospects for ensuring the use of modern computer technologies in the current computer society. It also discusses the support of digital technologies and the training of modern computer science teachers.

Keywords: Education system, computer technology, qualification, research, methodology, analysis, practice, resource, development, effective, power.

Introduction: In accordance with the Resolution of the President of the Republic of Uzbekistan "On measures to bring the field of information and communication technologies to a new level in 2022-2023" No. PQ-357 dated August 22, 2022, measures have been developed to bring information technologies to a new level among young people. On May 19, the Cabinet of Ministers adopted Resolution No. 26.

In the current state of education, the role of educational technologies is of great importance. The student's assimilation of knowledge with digital technologies takes place for some time compared to traditional technologies. Digital technologies change the nature of the development, acquisition and dissemination of knowledge, deepen the content of the subjects being studied, accelerate it, apply teaching methods, significantly expand the opportunities for everyone to receive education. So, let's ask ourselves the following question, Digital technology - what is it? Digital technology is a modern form of business, in which large sets of digital data serve as the main factor of production and management. The use of the results obtained in practice allows us to achieve much greater efficiency compared to traditional forms of business. As an example, we can cite various automated production processes, 3D technologies, cloud technologies, remote medical services, smart technological production, storage and sale of various goods. We will now turn to digitalization in the education system. In education, as in other areas, the use of digital technologies facilitates the methods of learning. In this case, the role of the educational system is played by computers, laptops, multimedia, overhead projectors, Internet-connected televisions, telephone lines, smart boards, projectors. Organizing educational processes with such tools by pedagogical staff ensures the quality of education. It is well known that the use of digital technologies in online classes and conferences gives good results.

Research support and discussion.

Digital pedagogical support is an important step in developing programs to improve the current skills of teachers. Studies show that many teachers face difficulties in installing educational

processes and software technologies. Insufficient training, lack of control over the load from educational resources, resistance to resources and changes are a direct result of increasing the competence of teachers in their personal pedagogy.

The advantages of digital education are the ability to learn anywhere and anytime, the culture of obtaining and using information from the Internet is formed, changes can be made. increases, dramatically reduces the cost of time and money, you can not get lost in the digital world and have advantages in finding a good job. The opening of Wi-Fi zones, IT parks by the decree of our President dated 28, 2023 will greatly contribute to the rise of digital education. VR (virtual reality) in the field of education changes the way students learn. The use of VR (virtual reality) in classrooms helps students better assimilate knowledge and learn difficult concepts by imagining them. The results of the analysis (observation) show that the studies conducted, mainly It is aimed at improving the use of digital technologies in higher education institutions, developing students' creative abilities and innovative capabilities. At the same time, in the context of informatization of education, it is becoming urgent to introduce modern innovative and information and communication technologies in the preparation of future IT teachers and improve didactic support aimed at developing extracurricular educational activities, as well as to conduct a comprehensive study of teaching methodologies aimed at increasing the talents, abilities, and interests of students.

Informatization of education using computer technologies is considered one of the necessities required at today's level of development, and computer programs and networks are considered a modern tool for teachers and students to quickly implement the processes of receiving, storing, protecting, processing, and transmitting information. In today's conditions of informatization of education, it remains urgent to create a system for using the capabilities of modern teaching aids and their effective use in preparing future computer science teachers.

The widespread introduction of modern teaching aids into the educational process imposes on future computer science teachers the task of regular independent training. The creation of these teaching aids and their use in the education system will undoubtedly yield good results. The use of modern teaching aids in education is directly related to the students' greater internal capabilities, intellectual competence, and characteristics of information reception and assimilation. L.F. Soloviev thought about the "great importance of multimedia interactive textbooks in teaching practical exercises, the need to select their content in accordance with the purpose, the ways of organizing and presenting educational materials, their aesthetic and moral characteristics, methods of using textbooks, and organizational mechanisms."

The advantage of using modern teaching aids in teaching computer science in secondary schools is that it allows students to study the subject independently. This allows them to watch videos on the subject repeatedly, search for information on the subject, re-do assigned tasks, and take self-assessment tests several times. At the same time, it helps students spend their free time productively, further expand their horizons, and shape their thinking.

According to mathematician M.N. Soy, "the use of electronic textbooks in education has the following features: the ability to quickly use most of the information (tasks, tests, exercises, examples and samples) stored on a medium (compact disk or hard drive); the ability of modern computers to significantly increase the speed of teaching based on electronic textbooks."

Conclusion

The advantages of digital education include the ability to learn anywhere and anytime, the formation of a culture of obtaining and using information from the Internet, the development of the education system to a new level, and a sharp reduction in the cost of time and money.

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