

Effectiveness of the Use of Digital Technology in Educational Activities by the Future Informatics Teacher

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Abstract: To increase the priorities of the development of the educational process in the higher education system of the Republic through the use of digital technologies and the effective organization of lessons. The article also highlights the importance of the introduction of digital technologies in higher education in the field of education through the study, systematization and generalization of existing practices in drawing scientifically sound conclusions.

Keywords: Digital technologies, information and communication technologies, higher education system, modern education, digital knowledge, Internet system, distance learning.

In our country, the organization of classes using digital technologies is developing based on the needs of the times. This process itself means the beginning of a new stage in the education system of our country. It is not surprising that the educational system today is immersed in digital technologies, because it serves as a basis for serious analysis and pedagogical justification of many things that are offered in the information space today. It is also important that in recent years, no research has been conducted on the basis of any state project or survey on the problems of "digitalization" of education and its impact on its formation. At the same time, we can see the importance of the influence of the environment on the Internet system on the minds of young people in the lectures of the government, modern mass media, pedagogical public discussions, and researches of graduate students and researchers. It should be noted that before we were limited to the introduction of digital technologies in all spheres, i.e. industry, economy, banking and other spheres. Today, taking into account that digital technology is rapidly developing, digital development is included in all areas of education. Digitization activation is being implemented in all educational structures. Today, digital technologies are developing in all fields and are supported at all levels. What needs to be done to effectively use digital technologies in education while maintaining the quality of teaching?

First of all, we must improve the Internet infrastructure in our country, increase the quality of services provided by mobile operators, and most importantly, create conditions and privileges for the population, especially students and young people, to master the latest achievements of modern information and communication technologies.

Secondly, to expand the scope of use of digital technologies in the organization of the educational process and to develop information resources, teaching tools and distance learning technologies, to attract creative students to university digitization projects, and to regulate the activities of higher education institutions. to make proposals to the competent authorities on amendments to the documents, to establish centers including structures, classrooms, laboratories, media studios, etc., equipped with high-performance digital devices, and to share the experience gained there with all higher education institutions of Uzbekistan use in educational institutions.

Thirdly, to ensure the solid integration of modern information and communication technologies and educational technologies, to create additional conditions for the continuous development of the professional skills of pedagogues in this regard.

Fourth, organizing and conducting courses for teacher training on topics such as the use of interactive presentation systems, the development of interactive and multimedia presentations in connection with the Internet for lectures and seminar classes.

Fifth, to implement the process of distance education at any time using real-time interactive presentation systems, video conference systems, virtual halls, electronic resources.

Sixth, the use of cloud technologies, virtual reality, augmented reality and the use of 3D printers in the development of didactic materials and experience designs, the use of digital didactics and digital learning models, projects for teachers and students, diploma theses, scientific research, etc. it is necessary to develop scientific websites for discussion. Only then, we can use digital technologies to provide students and young people with knowledge at the level of today's demand without lowering the quality of education. It should be noted separately that today our life is connected with techniques and technologies in every way. We wanted to create an opportunity for beneficial use of technologies to improve and develop the quality of education. When learning is developed through interactive methods, students are more interested in the learning process. This is equivalent to combining classical education with games. As a result, the learning process is improved, mastering, level of education and efficiency of personnel training increases. An educated generation, professional personnel are the guarantee of the development of the society on a large scale. It is necessary to adapt the educational system to the digital generation through the mass and effective use of innovative educational technologies and didactic models based on modern information and communication technologies. At the same time, it is necessary to actively use a research-based approach in the educational process, and with this, it is possible to develop the skills of students in scientific research and to form creative abilities and creative thinking based on IT competence. Information and communication technologies are not a solution to all problems in the educational system, but a tool for making lectures and seminars rich in information and interactive for the digital generation. It should also be noted that teachers retain the main role in the interactive learning process focused on the needs of students.

The reputation of the teacher and the effectiveness of his activities depend not only on the level of knowledge in the course content and his pedagogical ability, but also on the level of the teacher's use of modern information and communication technologies in the collection, processing and teaching of specific educational material. In other words, it is necessary to develop the teaching of informatics and natural sciences in the digital age.

Conclusions and suggestions:

In conclusion, today's classrooms are very different from ten years ago, and classrooms are equipped with computers, tablets, smart boards and other types of educational technology. As in other parts of the world, the seven-screen generation of the digital generation - televisions, computers, tablets, phablets, smartphones and smartwatches - is emerging in Uzbekistan. As a result of having such a dense digital environment and constant interaction with it, the thinking and information processing processes of today's students are fundamentally different from the previous thinking and information processes. The digital generation cannot and should not be taught the way our parents learned. It is not possible to use blackboard and white chalk in teaching this generation. Changing the blackboard to white and the chalk to a marker doesn't change anything, it's not the way to motivate today's students to learn and develop the skills to succeed in the job market. It is necessary to adapt the educational system to the digital generation through mass and effective use of innovative educational technologies and didactic models based on modern information and communication technologies. At the same time, it is necessary to actively use the approach based on research in the educational process, and with this, it is possible to develop the skills of students in scientific research and to form their creative abilities and creative thinking based on IT competence. Information and

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