

SOME ISSUES IN THE PROCESS OF USING INFORMATION TECHNOLOGIES IN THE PROCESS OF THE EDUCATIONAL SYSTEM

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ANNOTATION

This article presents the author's comments about information technologies and their importance in the educational system, especially in educational processes. In addition, extensive analyzes were conducted based on scientific sources.

Keywords; Interactive, information technology, distance education, individualization, educational process, quality of education.

The educational process is one of the social spheres of the society that is progressing day by day. The essence of paying attention to the role and relevance of information technologies in this area is that information technologies are being actively introduced into the educational process within the framework of the implementation of the priority national project "education". The concentration of modern technical educational tools helps to modernize the educational process, activates the mental activity of students, helps to develop the creativity of teachers, enables distance education, develops a continuous education system, and thus educational increases the efficiency of the process . . In local and foreign publications, the computerization of the educational process is considered as one of the actual factors of organizing education in a particular subject.

The latest information technologies in education allow more active use of the scientific and educational potential of leading universities and institutes, attract the best teachers to create distance education courses, and expand the audience of students . As stated in Article 46 of the Law of the Republic of Uzbekistan "On Education" : Pedagogical staff are obliged to use information and communication technologies, advanced and innovative forms and methods of teaching and training¹. Although there is already a wealth of experience in the field of computer education, many teachers are wary of the possibility of using computer-based teaching tools. It should also be noted that the process of computerization of education faces a number of problems. The process of introducing information technologies into education is more complex and requires deep understanding. On the one hand, they play an important role in ensuring the effectiveness of the educational process, and on the other hand, with the help of a computer, the problem of the speed of learning the material by students, that is, it is possible to individualize teaching.

Currently, the role of information technology in people's lives has increased significantly. Modern society has joined a general historical process called informatization. This process includes the use of information resources by any citizen, penetration of information technologies into scientific, industrial, public spheres, high level of information services . The processes taking place in connection with the informatization of the society help not only to accelerate the scientific and technical progress, to intellectualize all types of human activity, but also to create a qualitatively new information environment of the society, to ensure the development of the society. human creative potential. One of the priorities of the process of informatization of modern society is the informatization of education, which is a system of methods, processes and software and technical tools combined for the purpose of

collecting, processing, storing, distributing and using information. The goal of informatization is to activate intellectual activity on a global scale through the use of new information technologies: computers and telecommunications. Information technologies allow the following: - rational organization of students' cognitive activities during the educational process; - making learning more effective by engaging all kinds of emotional perceptions of students and equipping the intellect with new conceptual tools in the context of multimedia; - creation of an open educational system that provides each person with his own educational path; Involvement of a group of children with different abilities and learning styles in the active learning process; - use of the computer's unique features that allow individualization of the educational process and access to radically new cognitive tools; - activation of all stages of the educational process. The main educational value of information technology is that it allows creating an incomparably brighter multisensory interactive learning environment with almost unlimited potential for the teacher and student. In contrast to traditional technical teaching tools, information technology not only helps to fill the student with a large amount of knowledge, but also to develop the intellectual and creative abilities of students, to acquire new knowledge independently, with various sources of information. allows to work. Scientific and technical development of the people caused the technical re-equipment of the economy and led to the rapid replacement of techniques and technologies used in various industries . The appearance of fundamentally new tools and technologies based on the direct use of the latest achievements of science and technology in production is becoming characteristic of the current era . At the current stage of the development of the educational process, the tasks of sharply increasing the quality of education, encouraging learning, and eliminating the accumulated disruptive events are the priorities. We believe that this is possible by combining traditional means with the latest advances in science and technology. In the conditions of modernization of education, more and more researchers are finding the idea of strengthening the independent creative thinking of students, personal direction, strengthening the active component in education. In order to ensure the effectiveness of the educational process , it is important to activate it based on the use of new pedagogical technologies, including information technologies . "The need to search for new pedagogical technologies is associated with the following contradictions: - between encouraging and encouraging students' learning; - passive-thinking and active-transformative types of educational activity; psychological comfort and discomfort; - education and training; standard of education and individual development of the person; subject -subject and subject-object relations" 2 . The functions of the computer as a tool of the teacher's activity are based on its ability to accurately record facts, store and transfer large amounts of data, group data, and perform statistical processing. This allows you to use it to optimize teaching management, increase the efficiency and objectivity of the educational process, and at the same time significantly save the teacher's time in the following areas: Obtaining information; Diagnostics, registration and systematization of educational parameters; Work with educational materials (search, analysis, selection, design, creation); Organization of team work; implementation of distance education. When working with educational materials, a personal computer provides a variety of support to the teacher, which consists not only in simplifying the search for necessary information when creating new educational materials using reference and information systems, but also in the design of teaching materials (texts, pictures, graphics), as well as in the analysis of existing developments. Automatic analysis of educational materials, selection and forecasting of their effectiveness are important directions of using the computer as a means of providing the teacher with information. The teacher can not only choose materials for teaching (composition of lexical and grammatical minimums, selection of

texts and exercises), but also can analyze texts and whole textbooks" 3 . In this case, educational and educational computer programs specially created for educational purposes are used. We can say that the computer has turned from a "teacher" into an active assistant of the teacher. An interactive lecture has an emotional color due to the use of computer slides in the process of presenting it, along with information and cognitive content. The teacher, who has prepared for the lecture in advance, develops the necessary number of slides on the computer in the Power Point application of the Office program, fills the video information with sound and animation elements. Naturally, this significantly increases the requirements for the teacher's qualifications. He should have the necessary knowledge of computer technology and be proficient in working with software. An important condition for conducting an interactive lecture is also the presence of a specialized auditorium equipped with computer technologies and modern means of presenting visual and audio educational materials to the public. During the lecture, the teacher occasionally presents information on a slide as an illustration. This helps in better learning of the learning material by the students. The effectiveness of using interactive lectures during the teaching of the economic theory course in technical universities is explained by the uniqueness of the design of textual information in the form of graphs, logic diagrams, tables, formulas, which are widely used by science teachers . . technical sciences. This, combined with sound effects, animation elements, and teacher commentary, makes the learning material presented in a general humanities lecture understandable to technically minded students. Thus, the simultaneous participation of the teacher and the computer in the educational process significantly increases the quality of education. The use of the proposed methodology activates the educational process, increases the interest of students in the studied subject and the effectiveness of the educational process, allows to achieve a deeper understanding of the educational material. On the one hand, the cooperation of the teacher and the computer makes the educational discipline easier to understand by students of different categories, and increases the quality of its mastery. On the other hand, it places high demands on the level of training and qualifications of the teacher, who can not only have traditional teaching methods, but also modernize them according to the characteristics of students, using modern achievements. science and technology. Information technology implementation can have advantages as well as disadvantages. A number of problems that arise in the process of using information technologies: The problem of the ratio of information volumes: The information provided by the computer can significantly differ from the volumes that the user (student, student) can mentally perceive, understand and master. Possible individualization of the learning process: The essence of this problem is that each person learns the material according to his individual cognitive ability, that is, as a result of such training, students are at different levels of learning the material. they did. This may lead to the inability of the teacher to continue training in the traditional system, since the main task of such teaching is to ensure that students are at the same level of knowledge before learning new material. at the same time, all the time allocated to work with them was occupied. The difference between "machine" and human thinking: If a machine "thinks" only in a binary system, then human thinking is much more versatile, broader and richer. How to use the computer to develop a human approach to thinking in students, not to impose some rigid thinking algorithm on it .

Therefore, the possibilities of the computer to perform the role of a teacher in the educational process are evaluated in different ways: from their absolute denial to confirmation that all the main and auxiliary functions of the teacher can be transferred to the computer. Most experts believe that a computer that performs some of the teacher's functions cannot completely replace the teacher for a number of reasons, the main of which are: The computer cannot fully simulate these aspects of the

teacher's work. related to its educational functions; the purpose of training is to develop human communication skills, the computer cannot replace human communication and cannot understand the secret of human thinking. At the current stage, the most constructive approach is seen, according to which the computer should not stand against the teacher, but it is recommended to consider it as a tool to support the professional activity of the teacher.

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