Prospective Directions of Implementation of Modern Information Technologies in Education

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ABSTRACT

Today, in the education system of our republic, the technology of using new information technologies, including electronic and distance education, as well as electronic educational methodical complexes, is considered the demand of the time. One of the main directions of the process of informatization of the current society is the informatization of education. Today's task of education is to teach students to be able to work independently in the conditions of information-educational environment, which is improving day by day, to use the flow of information wisely. This article discusses the same issues. The article provides insights into the use of new information technologies in educational institutions.

Keywords:	New modern technologies, computer, modeling, internet, electronic and remote education, information.

Login: After the independence of Uzbekistan, wide paths were opened for its economic and social development. From the first day of independence, technical rearmament of all sectors of our republic, provision of modern equipment and technology, and development of a telecommunication and computer communication system that meets modern international requirements has become one of the urgent issues. Our government pays special attention to the problem of informatization of our country. In particular, the Decree of the President of the Republic of Uzbekistan in 2022 "On measures to further improve the education system in the field of information technologies, develop scientific research and integrate them with the IT industry" and the Cabinet of Ministers in this regard "Further development of computerization and introduction of information and communication technologies" decisions on measures" were adopted. In this regard, attention is being paid to equipping educational institutions in our republic with new generation of computer equipment and electronic textbooks. Over the past 3 years, the computer industry has been moving towards international benchmarks. Currently, the development and wide application of information and communication technologies is a global direction of world development. Special attention is being paid to the organization of information resources in the field of education at the present time, when new technologies are developing day by day and the informatization process is growing rapidly in the country. For this reason, it will be necessary to make certain changes to the principles of organizing the teaching process, including the improvement of teaching materials. In this case, the introduction of modern information technologies into the educational process and their use are the most effective ways to achieve the goal. Development of basic mechanisms of integration of education with science and production, its implementation, individualization of study, independent learning, development and mastering of technology and tools of the distance education system, acceleration of

student learning using the module system based on new pedagogical and information technologies. is among the urgent tasks. In the current conditions of increasing demands for highly qualified pedagogic personnel, it is necessary to form creative pedagogic personnel who have the ability to educate the competent young generation in the spirit of universal and national values that have been forming for centuries, who have thoroughly mastered the fundamentals of science, and who have mastered modern pedagogical and information technologies. Fulfillment of such tasks requires the improvement of the existing educational system, its development in accordance with the requirements of the present time, in particular, the orientation of higher education to mastering modern pedagogical and information technologies, training of pedagogues capable of solidly acquiring fundamental knowledge of the specialty in higher education institutions.

Note: Computer modeling of events and processes is one of the promising directions of introduction of modern information technologies in education. Computer models help the teacher to coordinate the content of the traditional lesson and to display many effects on the computer screen, to organize new, non-traditional educational activities of the students. The introduction of information and communication technologies into the educational process can be carried out mainly in 3 directions:

• information-educational systems (data base , knowledge base , expert- teacher use of programs ;

• e- learning publications and from programs use

from means of telecommunication use

Same education process information process the following in the fields take going : 1) High education in the field : - education in the process use possible didactic foundations of INTERNET technologies to determine - remote of teaching methodology development ; - pedagogical personnel in preparation , their modern information technologies based on passable lessons efficiency increase- remote electronic, educational - methodical and organizational their work done increase2)

General and medium special education to the system help in the field : - to teachers modern technologies based on methodical support to give - general and medium special education system electronic literature for create and e-learning methodical base formation3) Teachers continuously qualification increase in the field of : - computer literacy of teachers according to qualification increase- Synchronous (video conference) and asynchronous (information-education portal , INTERNET) modes qualification increase done increase4) Education informing scientific direction as development in the field of : - information technologies Pedagogical sciences in the environment development main directions to determine - of teaching organizational forms , methods , methodology , person development new information in the system improvement .

Summary: Informatization of the educational process and the use of modern information technologies lead not only to changes in organizational forms and methods of teaching, but also to the formation of new methods in it. The main goal of computerization of the educational process is to prepare the growing generation for the information society and to increase the effectiveness of education through the introduction of information technology tools. When using information technologies in the educational process, we should teach students not only to see and accept information on the screen, but also to participate creatively in this process. Thus, the directions of introducing modern information technologies into the pedagogical education process can be defined as follows:

• introduction of modern information technology tools into the educational process;

• increase the level of training of participants in the pedagogical education process in the field of computer (information);

• Systematic integration of educational, research and management process information sharing;

• creation and development of a unified information space of pedagogical education.

Thus, the promising directions of introduction of modern information technologies in education are to determine the didactic basis of

INTERNET technologies that can be used in the educational process, to develop the methodology of distance learning, to train pedagogues, to increase their teaching skills based on modern information technologies, to develop the electronic educational-methodological complex of pedagogical education. creation (electronic literature, virtual laboratory work) and the implementation of related organizational work, determining the main directions of the development of education in the environment of information technologies, organizational forms, methods, methodology of education, requires improvement in the new information system of personal development. Modern pedagogues are required to be able to purposefully use the information resources of the INTERNET, to introduce the possibilities of information and communication technologies in the process of acquiring independent knowledge. The inclusion of information technologies in the educational process is a necessary condition for the modernization of the higher professional education system. In recent years, the rapid development of Internet technologies has been observed, which creates the need to develop and introduce new methods of using the Internet in the educational process, the purpose of which is not only to increase the effectiveness of learning, but also to create conditions for the formation of professional, informational and intellectual competences of students. The use of information technologies in the use of interactive methods in education, the increased interest of students in the use of resources related to science, open access to information, organization of interaction of subjects of educational activities with the network, leads to spending less time in training .

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