

Importance of Applying Modern Information Technologies and Pedagogical Technologies to the Educational Process

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Abstract. *It is difficult to imagine the development of a developing society without information technologies, especially computers. The field of information and communication technologies is one of the rapidly developing and rapidly developing areas of human activity. The Ministry of Higher Education, Science and Innovations of the Republic of Uzbekistan pays great attention to the issue of informatization of the education system. One of the main tasks of the National Program for Personnel Training is to improve the quality of education. This article provides information on the importance of applying modern information technologies and methods of implementing pedagogical technologies in the educational process.*

Keywords: *Modern information technologies, educational process, pedagogical technologies, quality of education, efficiency of learning.*

INTRODUCTION: One of the goals of modern education is its informatization. The main goal of introducing information technologies into the educational process is to improve the quality and effectiveness of teaching. As a result of introducing information technologies into the educational process, informatization can be implemented to the required extent. In the conditions of the modern dynamic development of society and the complexity of its technical and social infrastructure, information is an important strategic resource. The goal of modern education is to ensure the learning needs of each student according to his desires, opportunities and abilities. Today, the demand and need for information and communication technologies is increasing further with the development of the Internet. It is precisely these new technologies that are rapidly entering all areas of the economy, including the education sector. They are creating the basis for the formation of a new content and essence in the education system in terms of organizing and implementing educational processes, developing educational and methodological support, and increasing the effectiveness of organizing and mastering training sessions. The appearance of new words such as "electronic textbook", "distance learning course", "virtual reality", "video conference", "electronic forum", "virtual classrooms" in the list of terms in the field of education undoubtedly indicates the incomparable role of information and communication technologies in the learning process.

COMMENT: It is no secret that the flow of information that needs to be delivered to students is constantly increasing. The increasing volume of information and related data should also find its place in educational activities. It is impossible to always increase the academic hours allocated for educational activities. It is necessary to use new methods and approaches in preparing educational materials and recommending them to students. Information and communication technologies can demonstrate the qualities of a useful pedagogical tool. Through the Internet, students can have the opportunity to use educational resources not only at their educational institution, but also in different parts of the world, and to get acquainted with educational materials in educational databases and

libraries.

When it comes to increasing the effectiveness of organizing and mastering learning activities, information and communication technologies are a useful tool for organizing learning activities, recommending and fully mastering the recommended learning materials to students, and it is necessary to use highly effective pedagogical and didactic methods, such as delivering a lot of information to the listeners in a clear and lively way in a short time. In this regard, it is worth noting that the formation of information culture is of great importance. The introduction of information and communication technologies into educational processes creates a suitable basis for the formation of information culture not only of students, but also of teachers in a timely manner. For a person, information culture is one of the important components in building an information society.

DISCUSSION: Not all students have the same learning indicators and intellectual potential. Our cultural lifestyle today is significantly different from that of previous years. Modern technology has taken a strong place in our daily lives. Naturally, this situation cannot but have a positive effect on students' learning indicators. It increases the opportunities for working with gifted students.

The introduction of information and communication technologies into the educational process and their appropriate and effective use create opportunities to bring students with low learning indicators to higher levels and to engage more effectively with gifted students.

CONCLUSION: In order to inform the educational system, it is necessary to ensure that the following main tasks are performed step by step and sequentially in each educational institution:

- increasing the level of training of specialists in modern information and communication technologies;
- wide implementation of information and communication technologies in educational processes and improvement of the material and technical base that ensures their more effective use;
- effective use of innovative technologies in teaching processes aimed at increasing the quality of education;
- introduction of modern technologies aimed at management of educational processes and establishment of information supply;

To achieve these goals, it is important to strengthen ongoing activities in the following areas:

- improvement in training and retraining of pedagogic personnel in the field of information and communication technologies;
- development of the educational institution's information infrastructure and provision of wide and effective use of local and international educational resources;
- strengthening the creation of electronic textbooks, virtual stands and experimental works based on the specific and unique features of each subject;
- development of additional measures to achieve effective use of Internet resources;
- providing additional education to students, providing effective use of open (online) courses taught through the Internet, free of charge and preferential training through television, aimed at improving the qualifications of pedagogues and specialists.

As indicated in the "Concept of Creating a New Generation of Educational Literature for the Continuing Education System", textbooks are used as the main source of educational literature on fundamental knowledge in all types of continuing education systems. To facilitate this process, it is necessary to organize the effective use of electronic versions of textbooks and manuals. Electronic educational literature is designed to broaden the imagination of students, develop and deepen their initial knowledge, and provide them with additional information, and should be created for subjects that are studied in more depth.

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