

## **Application of Modern Information Technologies**

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### **ABSTRACT**

In this article, methodical recommendations are given to future elementary school teachers in higher education regarding the advantages of using information and communication technologies and their use in classes.

### **Introduction**

Today, it is clear to everyone that information technology is developing at a higher speed than other technologies. The Internet is used to get acquainted with information necessary for enriching knowledge and improving skills. Its source is information resources located on computers connected to the network. In all educational institutions of our republic, wide opportunities are being created to promote modern information technologies in educational, scientific and administrative management activities, to raise the quality of education services to a high level. Improvement of self-management and educational processes of educating the younger generation is an important factor of the achievements achieved by means of information technologies.

Special attention was paid to the process of democratic reforms and spiritual renewals, which are consistently implemented in our countries, and the training of personnel, raising the social importance and status of education, attracting qualified and selfless people to this process, supporting and encouraging them in every way.

Based on the efforts of our President to further develop the education sector, it is being polished and developing. Pedagogical, psychological, spiritual-economic, socio-legal factors of formation of a perfect generation make the strengthening of competitiveness, professional qualification and pedagogic skills of pedagogues a necessity of the time.

Currently, in the age of technical and technological development in the educational system,

without technical means, it is still impossible to reach the educational standards of personal qualities, professional knowledge, skills, and qualifications of experts.

In the educational process, together with various methods and forms, visual and technical tools are used to organize, implement and control the learning process. In today's world, strengthening the spiritual immunity of our youth and meaningfully spending their free time is more urgent than ever. That's why our president Sh. Mirziyoyev is aimed at organizing the effective and efficient use of computer technologies and the Internet among the population and young people. It is also important to use information technologies in working with databases in preparing future teachers for professional activities. At the same time, future specialists will be able to use modern pedagogical and information technologies, interactive methods of educational work, and to further improve and develop their own pedagogical skills and abilities, to organize their activities scientifically, as well as to raise their scientific outlook independently. is of great importance in the formation of scientific-pedagogical and professional skills. One of the main tasks of pedagogy is to deliver educational materials to students and increase their level of mastery.

Currently, in higher education, training of students in the credit-module system is widely introduced, in which a lot of attention is paid to the organization of independent work of students. One of the independent work assignments is aimed at preparing students for a presentation on science. For this purpose, its content is selected according to the teaching of subjects, and the relevance of appropriate methods, teaching forms and tools for students' learning is considered. In particular, the use of presentations to increase the effectiveness of the lesson creates many opportunities for learners. In this case, the presentation of educational materials on the basis of animations makes learning the subject even easier. Students express their reactions to the presented presentations. They develop organizational skills. It is known from foreign experience that by watching a video lesson or a slide presentation on the website, students gain knowledge, skills, and abilities, and have a partial understanding of what the subject is talking about. Later, in the live lessons taught by the teacher, they will find complete answers to the questions and conclusions on the discussed topic. For example: when organizing classes on the method of teaching the mother tongue, we need to show the process of teaching the 1st-3rd grade students through the process of working with the new textbook Mother tongue and reading literacy textbook.

In this, students are directly formed how to use videos, various multimedia and presentations that create new knowledge on topics as a future primary school teacher. Appropriate, purposeful and effective use of interactive methods by teachers (pedagogues) in the process of education and training, fostering communication skills, teamwork, logical thinking, synthesis of existing ideas, analysis, and the ability to find different views in students (teachers, students). creates a wide opportunity for. To do this, it is appropriate to use effective presentations that allow students to actively participate in the educational process and work with their interests in order to master the basics of science in the teaching of the mother tongue teaching methodology. Each lesson uses animations to explain a new topic statement. Through these animations, it becomes easier for the future teacher to explain the content of the lesson to the students, and it allows the students to acquire knowledge, skills and abilities related to the subject and solve the problem.

In multimedia applications, writing tasks are given in Mother Tongue and Reading Literacy. Implementation of these tasks through animations creates an opportunity for students

to learn. It is especially difficult for first grade students to work with vocabulary words, so it is appropriate to develop the skills of knowing vocabulary words in the Mother Tongue and Reading Literacy textbooks through animations. Multimedia applications are given critical tasks to increase students' linguistic thinking. It is important to organize lessons through animations related to linguistic tasks. The development of science and technology, on the one hand, increases the availability of information to students, and on the other hand, it leads to the loss of their stable interest. Because economic research is replaced by indifference. In a word, computer, display, calculators ease human mental work, relieve mental effort. The role of the teacher is important here. Because the proper organization of the educational process creates opportunities for positive and effective use of ICT. The use of new information technologies in teaching accelerates the educational process compared to the standard (traditional) system, increases the student's interest in science, increases creative activity, facilitates a differential approach to education, repetition, consolidation and control of the acquired knowledge, makes the student a subject of the educational process. It is worth noting that, first of all, such classifications were given to information in pedagogical explanatory dictionaries. Information is information about the environment (objects, events) that has not remained within the scope of its creator and has become a message, which reduces the level of uncertainty and completeness of knowledge and can be expressed through written or other methods (conditional signals, technical tools, computing tools and emotions). In general, a high-level summary of information and database symbols, the process by which they are created, and the information used within them ensures that the information appears. So, information is represented by signs (genres, words), numbers, numbers and operations on them, formulas, traffic, as well as speech, text, images and other forms. From the consumer's point of view, information is the insights gained by the end user and new references deemed useful.

Today, the effectiveness of people's activities in society depends to a large extent on information and communication technologies. For example, at the Jizzakh State Pedagogical University, starting from the 2021-2022 academic year, the management of the educational process has been established in the system of the Hemis platform. The advantage of this system is as follows:

- Student's participation in class, i.e., attendance is automatically managed.
- Resources are placed for students to master the lessons, including the teaching-methodical complex of the subject, DTS, educational qualifications, assignments.
- Evaluation of the student's performance in classes is carried out in a fair manner.

In order to solve these issues, it is necessary to first of all create the concepts of information technologies in the minds of pedagogues and students. At this point, it is worth noting that every professor and teacher must learn to use information technology as a consumer, to store and process information, and to learn the use of technical tools in the implementation of the mentioned processes. It creates a wide opportunity and relief not only for pedagogues, but also for students to complete all assignments. In the process of education, technical tools are used for learning as well as for didactic purposes:

- serves as a source of information;
- clarifies concepts and events, helps to understand.
- creates an emotional attitude towards the educational material;
- that is, it increases interest in learning through technologies, equipment, constitutions;

- activates cognitive activity, helps to consciously assimilate educational materials;
- serves as a means of repetition, generalization and control of knowledge.

In addition, demonstration of visual aids with the help of technical means helps students to work with different information, provide diversity of independent work, self-monitoring and self-correction. One of the most important and complex problems in the teaching process is that technical means have such an opportunity to attract students' attention to the topic and keep them focused during the lesson.

The use of computers in higher education allows for quick and high-quality assimilation of theoretical and practical material. In certain circumstances, the introduction of software tools into the system of traditional teaching methods, the plan of study time, the implementation of educational calculation operations and the possibility of automating the control of nominations for the complete mastery of various subjects will have a significant pedagogical effect addition to those mentioned above, technical tools save time in the educational process, prevent the strain of the pedagogue and students in transmitting and receiving information. It also creates an opportunity to activate students in the learning process, increase their interest, learn and remember the learning material.

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