

ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION

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Modern education is rich in a variety of innovative pedagogical technologies that are aimed at achieving the goal, modern tasks. These are technologies based on the personality-oriented pedagogical process, technology based on activation and intensification of students' activity, technology based on didactic improvement and reconstruction of material, technology of educational learning.

The use of information and communication technologies in the educational process is due to the fact that the quality of education is the demand for acquired knowledge in the specific conditions of their application to achieve a specific goal and improve the quality of life. The introduction of new educational technologies is not only a necessity, but also a response to a specific social request, since it is preferable for students to work at a computer in comparison with traditional paper media.

The use of information and communication technologies in education for the active involvement of students in the educational process is one of the most promising areas of educational development. The ever increasing power and versatility of computers open up new possibilities for teaching and learning, allow teachers to expand the set of applied teaching methods, and students to contribute to solving common problems. Educational technologies help to increase the level of education and improve the performance of each student.

Among these technologies we distinguish information and communication technologies, because one of the basic needs of modern society is the ability to find and use the necessary information.

Information and communication technologies have become an integral part of the modern world, serving the needs of our society in a variety of fields, in particular in education.

Informatization of education is aimed at the formation and development of the intellectual potential of the nation, the improvement of forms and content of the educational process, the introduction of computer, distance learning methods and testing, which gives the opportunity to solve the problems of higher education in the light of world requirements.

The use of ICT in lessons enhances:

- positive motivation of learning
- activates the cognitive activity of students.

The use of Information and Communication Technologies in education makes it possible to realize the positions of equality, the principle of confidentiality, feedback, the pursuit of a research position.

Information and computer technologies:

- cover a large amount of didactic material;
- increase productivity increases at times;
- provide a high degree of differentiation of training
- increase the possibility of independent activity;
- forms the skill of research activities;
- provides access to various help systems, electronic libraries, other information resources;
- promotes quality of education.

The peculiarity of the educational process with the use of information technology is that the center of activity is a student who, based on his individual abilities and interests, builds the process of cognition. The teacher often acts as

an assistant, consultant, encouraging original findings, stimulating activity, initiative, independence. There are various ways of using multimedia in the educational process, including:

- use of electronic lectures, simulators, textbooks, encyclopedias;
- development of situational role-playing and intellectual games using artificial intelligence;
- modeling of processes and phenomena;
- providing distance learning;
- conducting interactive educational teleconferences;
- creation of systems of control and testing of students' knowledge and skills (use of control programs-tests);
- creation and support of educational sites;
- creating presentations of educational material;
- project and research activities of students, etc.

It should be emphasized that the use of multimedia in the educational process contributes to:

- increasing students' motivation for learning;
- realization of the social goal, exactly informatization of society;
- intensification of the learning process;
- student personality development;
- development of skills of independent work with educational material;
- increasing the effectiveness of learning through its individualization.

In addition, using computer technology, you can create as a teacher and students, various training and demonstration programs, models, games. Such effective developments form a positive attitude of students to learning, suggest an unobtrusive way of helping, the opportunity to choose the individual pace of learning of students.

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**ПІДГОТОВКА ФАХІВЦІВ З ВИКОРИСТАННЯМ ІННОВАЦІЙНИХ
ТЕХНОЛОГІЙ НАВЧАННЯ**

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У сучасних умовах господарювання ринкові закони охоплюють все більше сфер суспільної діяльності. Нині їх вплив є досить відчутним і в освітній галузі, де кожен навчальний заклад, постійно удосконалюючи форми і методи роботи, прагне підтримувати рівень своєї конкурентоздатності. Серед суттєвих переваг, які дозволяють молодому спеціалісту по закінченні навчального закладу працевлаштуватися, насамперед є:

- уміння використовувати теоретичні знання на практиці;
- високий рівень самосвідомості й відповідальності;
- здатність до прийняття самостійних рішень;
- уміння працювати в команді тощо.

Щоб набути даних якостей, молоді люди повинні мати можливість упродовж усього періоду навчання розвивати самостійність, навчатися спеціальності та вміню вести себе в суспільстві.