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ORGANIZATION OF E-LEARNING PROCESSES USING INFORMATION AND COMMUNICATION TECHNOLOGIES

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Annotation: The article focuses on the ongoing work on modernization and improvement of the education system, the search for the most effective and efficient guidelines for education, as well as the regular training of teachers on "ICT". the need for riding was considered.

There are also practical recommendations for the organization of independent training of teachers in "ICT" and the results of this work should be put into practice as soon as possible to improve the quality of students' knowledge.

Key word: E-learning, information and communication technologies, innovation, information resources, software.

Аннотация: Статья посвящена текущей работе по модернизации и совершенствованию системы образования, поиску наиболее эффективных и действенных методических рекомендаций для образования, а также регулярной подготовке учителей по «ИКТ». необходимость езда была рассмотрена.

Есть также практические рекомендации по организации самостоятельной подготовки учителей по «ИКТ», и результаты этой работы должны быть реализованы как можно скорее для повышения качества знаний учащихся.

Ключевые слова: Электронное обучение, информационные и коммуникационные технологии, инновации, информационные ресурсы, программное обеспечение.

Annotatsiya: Maqolada ta'lim tizimini yangilash va takomillashtirish bo'yicha keng qamrovli ishlar amalga oshirilayotgan, ta'limning eng samarali va natijali yo'l-yo'riqlarini izlash davom etayotgan hozirgi kunda pedagog kadrlarning muntazam "AKT" bo'yicha o'qishlarini ta'minlash zaruriyati ko'rib chiqilgan.

Shuningdek pedagog-kadrlarning "AKT" bo'yicha mustaqil o'qishi shunday tashkil qilinishi va bu ishning natijalari imkoni boricha tezlikda o'quvchi-talabalarning bilim sifatini oshirishda amaliyotga tatbiq etib borilishiga oid amaliy tavsiyalar ishlab chiqilgan.

Kalit so'zlar: Elektron ta'lim, axborot-kommunikatsiya texnologiyalari, innovatsiya, axborot resurslari, dasturiy ta'minot.

Introduction. At present, all educational institutions are equipped with modern computer and telecommunications technologies. The content and quality of education is a priority in society. Ways are being sought to develop education, increase its efficiency, as well as to improve the skills of teachers at the level of modern

requirements, the introduction of new information technologies in education is gaining popularity. Because one of the areas that primarily reflects the achievements of scientific and technological progress is the field of education.

As evidence of these views, the Cabinet of Ministers of May 23, 2001 "On measures to organize the development of computer and information technology for 2001-2005, the organization of the development of a program to ensure widespread access to the Internet in international information systems" 230 Decree of the President of the Republic of Uzbekistan dated May 30, 2002 "On further development of computerization and introduction of information and communication technologies" [2] and its implementation by the Cabinet of Ministers of June 6, 2002 Resolution No. 200 approved the "Program for the development of computerization and information and communication technologies for 2002-2010" [3], as well as the main improvement of the system of retraining and advanced training of teachers of the Cabinet of Ministers of the Republic of Uzbekistan. Adoption of Resolution No. 25 of February 16, 2006 [4], The Board of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan on April 17, 2010 "Modernization of the educational process and teaching methods in the higher education system and the introduction of innovative educational technologies [5] Resolution of the President of the Republic of Uzbekistan dated February 23, 2011 "On measures for further quality development of information-library and information-resource services on the basis of information and communication technologies for 2011-2015" Further improvement and equipping of the regulatory framework of 11,026 information and resource centers connected to the Internet ("ZiyoNET") operating in the country for the period up to 2015, based on the Resolution No. PQ-1487 [6] , international networking, staffing programs have been approved.

Analysis of Subject Matters. Based on the research of E.I.Kuznetsova, N.V.Makarova, V.P.Bespalko and Yu.G.Tatur, E.Yu.Yakovleva in the activity model, singled out general pedagogical teachers, informatics, general scientific and special knowledge, skills, types of activities [9; 10].

Research Methodology. The purpose of the article is to substantiate and reveal the author of the concept of effective management in the teaching of computer science for students.

Analysis and results. The essence of the tasks set out in these resolutions is to create the material and technical base of the system of continuing education, on the basis of which "accelerated introduction of information technology in education, including the use of new teaching methods in the teaching process." It requires constant improvement of professional skills. In this sense, each professor must be able to distinguish new pedagogical and information technologies in their field of study and apply them to the educational process, to learn from advanced teaching aids, be able to use interactive whiteboards, presentations, interactive learning materials, etc., and be able to actively use them in the educational process. This plays an important role in the improvement and development of the modern education system.

We all know that the basis of a modern education system is a quality and high-tech environment. Its creation and development is technically complex, but such an

environment serves to improve the education system, the introduction of innovative technologies in the educational process.

Teaching using innovative technologies and interactive methods in the educational process not only increases the effectiveness of education, but also helps to increase the interest of students in science and increase their learning motivation.

Innovation (from the English word "innovation" - means "innovation") - is the use of a form of work aimed at increasing the effectiveness of the educational process on the basis of news [7]. So, the main purpose of the introduction of "innovation" in the educational process is that it is aimed at improving the teaching process in line with modern requirements. The organization of the educational process at the level of modern requirements largely depends on the modern professor.

By modern, modern professors and teachers, we mean the creator of the future, the author, producer, researcher, user and promoter of new pedagogical technologies, theories and concepts. So, such a modern professor-teacher in the organization of the educational process, closely linking the traditional method with the non-traditional method, the basic information in accordance with the content of the topics of lectures, practical, experimental, seminar and provide teaching materials in a way that facilitates the student's visual perception.

As mentioned above, in the organization of the educational process, the professor has a sufficient level of knowledge and skills in the use of information and communication technologies. Therefore, the information on the use of information and communication technologies "equipping" not only specialist teachers, but also every professor, that is, acquaintance, training and retraining is widely used in the development of the education system in the Republic. noda opens up great possibilities.

The process of professional development of teachers in the course of information technology should be carried out as quickly and consistently as possible. Because information technology does not stand still, it is constantly updated - new techniques, terms and a number of innovations.

It is inappropriate for the current age of information technology to gather professors and teachers in a certain place for continuous professional development in the course of information technology, leaving them out of classes and work.

In this regard, it should be noted that they must independently study a wide range of knowledge in the field of information and communication technologies (ICT), sufficient skills in modern computer technology, information and communication systems and their use. It is advisable to use the websites created for the course "Information Technology" to organize. Independent study is the first step in ensuring continuity of professional development.

In addition, the training of professors and teachers using the websites created for the course "Information Technology" opens up great opportunities for the development of the education system of the Republic, to increase the quality and efficiency.

In addition, a large-scale work is being carried out to modernize and improve the education system, the search for the most effective and efficient directions of education is continuing, and teachers are regularly trained in "Information and Communication Technologies". It is necessary to provide for the winter. Independent training of teachers in "Information and Communication Technologies" should be organized in

such a way that the results of this work should be put into practice as soon as possible to improve the quality of knowledge of students.

Today, the teachers responsible for ensuring the quality of education for the next generation are able to raise the level of knowledge, skills and abilities to a higher level, to make effective use of modern pedagogical and information and communication technologies. Teaching is important. It is no secret that the use of innovative pedagogical technologies and modern electronic means of teaching in educational institutions has a significant impact on the quality of staff.

It is known that four main methods of teaching are used in the practice of educational processes. These are: *explanation-illustration; reproductive; problematic; research methods* [8].

Especially when these methods are used in the research method, education is the result of active research, discovery and play, which usually results in more success than using the methods mentioned above, because it uses information and communication technologies. great achievements can be made. In order to use this method, teachers must have sufficient knowledge and skills in the field of information and communication technologies.

The use of information and communication technologies, computers in the educational process not only significantly increases the efficiency of the educational process, but also allows students to take into account and evaluate their knowledge, solve difficult tasks, provide individual assistance to each student. creating great opportunities for professors and teachers in making it easier to create and set up courses.

Information and communication technology is a powerful tool for processing information in words, numbers, images, sounds and other forms. Their main feature as a tool is the ability to configure (program) to perform various operations related to the acquisition and processing of information.

The use of information and communication technologies in the educational process offers fundamentally new opportunities for activating education. Information and communication technologies make classroom and independent learning more interesting, dynamic and reliable, and easy to absorb the large flow of information being studied.

The use of ICT tools also allows to intensify the educational process, giving it a research and exploratory character. Unlike textbooks, television, and movies, information and communication technologies provide immediate responses to learner behavior, repetition of material for different categories of learners, explanation, and more for learners with better preparation. provides the ability to transition to complex and ultra-complex material. At the same time, individual training is easy and natural.

In order to organize lessons in the educational process using information and communication technologies, first of all, teachers must have the necessary conditions, hardware and software. Necessary hardware, software means information resources and special software.

Information resources include: personal computer, video projector, multimedia, scanner, digital camera, camcorder, printer, copier, and more.

Special software: Macromedia Flash MX for creating animated videos, Power Point for creating multimedia presentations, Dreamweaver for creating e-learning publications, Adobe Photoshop for image editing, creating various graphic objects These include Corel Draw and Sound Forge, Adobe Premier.

It is important to note that the presentation of images depicting specific processes on a large electronic screen will enrich the knowledge and skills of the student, as well as increase their interest in the lesson.

When a professor-teacher organizes training sessions (lectures, seminars, practical and experimental) using information and communication means, he achieves the following:

• develops students' skills of independent work, self-education, self-education, self-activation, independent decision-making;

• Influences students' theoretical-creative and modular-reflex thinking, because the visualization of educational information on the computer affects the formation of imagination, plays a central role in figurative thinking, figurative imagination or other manifestations. and the student's process of memorization facilitates and develops learning material.

The main purpose of the introduction of "innovation" in the educational process today is to improve the learning process in line with modern requirements.

Conclusions and Suggestions. In short, the organization of the educational process with the help of innovative technologies, ie at the level of modern requirements (with the rapid introduction of information technology), largely depends on the professors and teachers working in educational institutions. In this sense, each professor must be able to identify new pedagogical and information technologies in their field of study and apply them in the educational process, advanced teaching. means to be able to use tools, interactive whiteboards, presentations, interactive learning complexes, etc., to be able to actively use them in the educational process.

1.   To do this, each professor will have to constantly improve their professional skills, including in the field of information and communication technologies.

2.   It should be borne in mind that independent study is the first step in ensuring continuity of professional development.

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