PEDAGOGICAL TECHNOLOGIES AND PRINCIPLES OF INFORMATIZATION IN EDUCATIONAL PROCESSES

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ABSTRACT

The article describes the principles and technologies of informatization of educational process in higher education institutions in accordance with modern requirements. The last three years also highlight some of the reforms and advances and shortcomings in education. In the meantime, the quality of information transmission, storage, processing and imaging has increased significantly, while computer literacy has become an important sign of culture. The sustainable growth of the economy is associated with the development of Science and its capacity building. But today, there is no single consensus on increasing scientific technical activity in our country, providing and providing support.

Keywords: Education, Training, Development, Information, National Spirit, Modern Methods.

INTRODUCTION

The growth rates of economic development of our country are highly recognized by the world community. At the same time, it is the result of large-scale reforms aimed at the development of Science, the reform of the educational sphere, the comprehensive support of scientific and innovative activities.

Decree of the president of the Republic of Uzbekistan "on measures to further expand the participation of economic sectors and sectors in the quality of training of specialists with higher education"PE-3151 dated July 27, 2017, as well as attracting doctoral students and junior students conducting scientific research at higher education institutions of the Ministry of Higher and secondary special education of the, priority tasks such as implementation of the order"on improvement of conditions for experimental testing work in research and project institutes" are defined. Radical improvement of the system of Higher Education, radical revision of the content of Personnel Training due to the priority tasks of socio-economic development of the country, creation of the necessary conditions for the training of specialists with higher education in the country, having an independent, stable life position corresponding to the level of international standards, is a topical issue of today.

RESEARCH METHODOLOGY

If initially it was spent 50-100 years on the introduction of inventions and discoveries into practice, then today there was an opportunity to use them in 10-20 and even in 2-3 year. At this level, the existing circle of knowledge kengay that has emerged the process of "acceleration" of the flow of information. This process is expressed in the phrase" informed society".[1] While it offers a wide range of opportunities in all spheres of social life, at the same time, it is still necessary to protect today's person from "information attack". Today's era requires high potential from young people. After all, our President Sh.M. Mirziyoyev noted "innovation means the future. If we are going to start restoring our great future from Steam, we should start it on the basis of innovative ideas, innovative approach."[2] The changes, reforms and updates that are taking place in various spheres of the social sphere of our modern society are primarily aimed at accelerating social progress.

ANALYSIS OF RESOURCES ON THE TOPIC

Currently, with the development of information technology, the existence of only one computer for teaching using technical and software has become sufficient. Previously, the computer successfully assumed the functions performed by television, video recorder, film projector, diaproector and others. In the meantime, the quality of information transmission, storage, processing and imaging has increased significantly, while computer literacy has become an important sign of culture. Computer literacy is necessary for every person in the future to become a fundamental tool in the way of life and in the process of work. So, computer work, it is no doubt that teaching to use a computer will become a common activity in the nearest time. Among the tools of modern information technologies are: computer, scanner, video camera, interactive electronic whiteboard, fax modem, telephone, email, multimedia tools, Internet and intranet networks, mobile communication systems, database management systems, artificial intelligence systems. Modern information technology tools are mastered in the conscious and planned implementation of certain actions.

Education process the use of pedagogical software serves to improve the quality of education and to increase the interactivity of education based on innovative technologies.

As a result of the implementation of the tasks set before us, in 2019, very large reforms in the sphere of education have been carried out in a completely new content and form. In particular, four presidential schools, three schools of creativity began to work. Last year 19 new higher educational institutions, including 9 prestigious foreign universities, were opened for the development of higher education, in cooperation with leading foreign universities, training on 141 joint educational programs was launched. A total of 146 thousand 500 students or 2 times more students were admitted to higher

education institutions than in 2016[3].

The sustainable growth of the economy is associated with the development of Science and its capacity building. But today, there is no single consensus on increasing scientific technical activity in our country, providing and providing support. Also, the single system, which includes features such as the gradual development of scientific potential in the future, the implementation of research of significant scientific and practical significance on a global scale, the wide application of their results, the uniqueness of scientific work, has not been restored. To do this, it is necessary to create a new system of management, which includes modern methods, an organizational system of introducing innovations into practice, a production system that includes the use of resources, new methods of increasing efficiency, a technical system aimed at reconstructing production and raising its technical level, and, in short, a unified concept that includes the socio-economic, financial, this policy ensures a constant connection with the production of science and innovation processes, extensive use of results and the creation of the necessary regulatory and legal framework in this area.

Emerging in the development of modern education "innovative approach", "innovation activity", "innovation pedagogy" style concepts are based on needs, and their ultimate goal is to introduce changes, updates that guarantee the result of the educational process in the field of education.

The system of education is an important factor in the development of every country. In the global environment, the socio-economic development of countries requires a higher quality of Education, a wider use of innovative educational technologies. This makes continuous attention to the continuous education system an object of necessity. The First President of the Republic Of Uzbekistan I.Karimov pointed out,"... to bring our children to adulthood as independent and broad-minded, conscious living perfect people-should be the main goal and function of the educational sphere"[4].

ANALYSIS AND RESULTS

Effective use of information technologies in the educational process is one of the main tasks. In general, in pedagogical practice, the main goal of information technology represents the complete achievement of a high result in education. Definitions are given on the basis of various scientific approaches to the concept of pedagogical technology, which have been used since the last century. A complete and only definition has not yet been adopted to this concept. Within these definitions, the definition given by UNESCO is expressed as follows:

Pedagogical technology is a systematic method of creating, applying and identifying all processes of mastering training and knowledge, which set the task of optimizing forms of education, taking into account technical resources, people and

their interaction."[5]

Although different definitions are given to the concept of pedagogical technology, its main purpose is the thorough assimilation of the knowledge given in education by the educators. Although the participants of the educational process cover such parties as the educator and the educator, it is distinguished by its complexity and relevance. In it, the presence of a constant goal and the fact that it can be achieved through various methods, expresses the complexity of this process, while in the conditions of transition to an innovative economy, its relevance increases. As a result of each process, the result of which is considered a structural element of this process, means the degree to which the goal is achieved. The main essence of pedagogical technology in general is the achievement of full self-education and knowledge of interested educators in education. In a holistic case, it expresses the activity of forming a harmonious person. The thorough mastering of the knowledge given in education by the majority of students is the main goal of the introduction of pedagogical technology. In the application of pedagogical technology, the method of teaching, forms of education, educational tools are widely used, one of the important components.

The method of teaching is a way of organizing the interaction of educators and educators in order to achieve the stated purpose of teaching, it can be classified as follows: lecture, story, narrative, demonstration, demonstration, video, exercise, laboratory method, practical method of work, work with a book, conversation, discussion, smart attack, pinbord, method of training projects, case-Study, etc. The introduction of information tools into these methods will not only improve the educational performance but also save time.

And the forms of education are grouped as follows: mass work, collective work, group work, individual.

This means that pedagogical technology, which is considered an integral element of the pedagogical system, is important in ensuring the result of this process-that is, the purpose of the training. The effective introduction of pedagogical technologies in the process of training leads to the independent functioning of educators in the educational process.

In conclusion, it can be noted that it is necessary to organize all the sections of education in such a way that it will provide deep and thorough knowledge to the educators, as well as teach them a wide range of coverage thinking, timely and productive use of the achievements of modern culture and scientific activity. Because the formation of the need for independent knowledge in the student in the process of education is a requirement of the present day. This means that the main issue of pedagogical technology is to ensure the achievement of the educational goal by developing the knowledge of the educators.

CONCLUSION

Our President Sh.M.Mirziyoev noted in his appeal to the Oliy Majlis on January 24 this year "...The broad introduction of digital technologies, both in the public and public administration, in the social sphere, can improve the efficiency, in a word, dramatically improve the living of people" [6].

Principles of informatization the study of science serves to look for easy, accessible ways to solve the existing problems in it. Applying the principles of informatization to the educational process creates an opportunity for active participation, high interest of students in the educational process, their acquisition of independent knowledge, narrowing of the resource quickly in the conditions of "informed society" and comfortable working with it, ultimately ensuring high efficiency of education and expected results.

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