

THE ROLE OF INNOVATIVE TECHNOLOGIES AND INFORMATION COMMUNICATION TECHNOLOGIES IN IMPROVING THE QUALITY OF EDUCATION

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ANNOTATION

It should be borne in mind that the changes taking place in our society in the economic, social, political and cultural spheres also depend on the education system, which determines the intellectual potential of our country in the future and is a key condition for its development. At the same time, the growth of intellectual potential, the development of quality will not only increase the effectiveness of education, improve the system in this area, but also significantly affect the growth of all areas of this social system. That is why one of the strategic directions in education today is the identification of innovative activities of educational institutions as a key factor. This article discusses the role of innovative technologies and information and communication technologies in improving the quality of education.

Keywords: Innovative computers, sustainable development, structural model, pedagogical system, spiritual educator, information technologies.

INTRODUCTION

Today, the basis of sustainable development of any country is innovation. History has shown that man has come a long way with his intellect, from inventing the first tools of labor to inventing algorithms and nanoparticles, modern innovative computers, the sun and other high technologies. The development of modern education has given rise to a new direction - innovative pedagogy. The term "innovative pedagogy" and its specific research originated in Western Europe and the United States in the 1960s. The socio-psychological aspect of innovation was developed by the American innovator E. Rodgers. It examines the categories of participants in the innovation process, their attitudes toward innovation, and their readiness to perceive it. Among the modern innovative directions of development of pedagogical education to distinguish the development of private innovative theory in the field of individual-oriented education, the organizational and structural model of education, the development of a multi-level system of education possible.

There are two main ways to improve the pedagogical system: intensive and extensive. Intensive development involves improving the pedagogical system at the expense of internal capabilities, and extensive development involves additional forces - that is, at the expense of tools, equipment, technology. The possibilities of intensive development of pedagogical technology are over: the existence of the school is a return to the role of modern educators, who have tried all the ways for thousands of years, a deep recollection of the content and function of education, a deep understanding of its basic principles. Again, if a school is not yet dead, if it is living, developing, and educating children, it is only because of its conservative nature. Some theorists argue that in the near future, innovation in pedagogy will only mean one thing - a return to the past, to a thoughtful and rational upbringing, a spiritual educator, a return to a peaceful system

without news and effort. Western schools are developing extensively to increase pedagogical output through new information technologies, time allocation for different learning activities, classroom differentiation and individualization. At the same time, the quality of pedagogical products is improving, and the question remains clear: many independent experts are skeptical. The way out of this situation is the development of a pedagogical system called "interconnected innovation" that allows you to combine intensive and extensive ways. This requires an in-depth examination of the possibilities of using pedagogy, which is manifested at the point where they meet the founders of pedagogical systems of different character and at different levels. Attempts can be made to improve the overall effectiveness of the pedagogical system by strengthening the gaps with new technologies. In this approach, the invention of innovation is not seen as an "external" measure, but as a profound demand and knowledge of the system, a conscious transformation.

Education today is unimaginable without information technology, which is why we have all started to use the term "new pedagogical technologies". For example, the personal computer has completely changed the possibilities of education. Internet laptops have opened up even greater opportunities for the introduction of new pedagogical technologies into the education system. Reforming the education system in the context of Uzbekistan's independence is primarily associated with the introduction of advanced information technologies in the education system. It is known that information and communication technologies are associated with discoveries in the field of microelectronics, computer technology, telecommunications and antoelectronics - microprocessors, semiconductors and fiber-optic cables. These discoveries enable the development and storage of vast amounts of information and their rapid dissemination through communication networks. Connecting computers and setting them to communicate with each other allows a new powerful technological system to create network information systems that use a common protocol. They bring people together, their homes and offices, and develop and complete a huge number of assignments in a very short amount of time. This will radically change the way information is used and the structure of communication. At the same time, computer networks allow communication with all points of the globe. For the education system, this creates new opportunities for communication between teachers and students.

Today, the number of wireless Internet connections, including mobile phones, has exceeded the number of personal computers connected to the Internet. The volume of e-commerce in the world is 233 billion dollars. As the number of users grows, so does the information technology. The problem of educating a harmoniously developed person requires the education system to form in the younger generation a desire to absorb not only the achievements of national culture, but also the achievements of world culture. The idea of educating a well-rounded person is one of the priorities of national independence. The task is to improve the quality of education, the level of spiritual and ideological upbringing. The implementation of the national training program must be based on new information technologies. Civil society cannot be built without encouraging the education system. The education system should be a continuous process, not a static system of closed views. To ensure the development of our independent Republic, the education system must be dynamic and perfect. The humanitarian education system is a

continuous process of personal thinking, developing new curricula, and constantly exchanging ideas. Nowadays, in the age of computer networks, the characteristics of creating and distributing new technologies are changing, and this is happening in the following areas: skills are more important than ever in the modern global market characterized by high competition. The transmission and distribution of technology is a very complex process and the development of new global norms that reflect the recognition of the value of technology is becoming increasingly important.

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