ROLE OF BLENDED EDUCATION IN EDUCATIONAL TECHNOLOGIES

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Abstract: The use of educational technologies is the primary factor determining the effectiveness of teaching. This thesis discusses the positive aspects of conducting pedagogical activities through mixed education.

Key words: Pedagogy, mixed education, method, teaching, science.

INTRODUCTION

More and more information and communication technologies are appearing in the educational process. This process is becoming more important in the education system, especially in the conditions of the pandemic, because education is one of the areas that are significantly affected by information and communication technologies. This means that there is a need for new and innovative approaches to improve the quality of learning. Sufficient research has been conducted on the traditional education system and teaching methods, and they are constantly developing in line with the development of society. The process of distance education has not been popularized in our Republic, it has been partially used, and the works carried out regarding its current implementation mechanism are needed. One of the important factors of the distance education process is related to the use of information and communication technologies, which allows students to use various methods and technologies for learning at any place and at any time. At the same time, the difficulties in transmitting information to the regions, the fact that the Internet network is not up to the level of demand will cause a number of problems.

MAIN PART

Initially, distance education was conducted using television, radio, video tapes, letters and SD-ROMs, then a new model of distance education using electronic devices emerged. According to Clark and Mayer, e-learning is an educational activity carried out with the help of the Internet or just a computer [4]. But there are other definitions of e-learning as "the use of new multimedia technologies and the Internet to improve the quality of education through distance exchange and collaboration, as well as easier access to resources and services."

Although e-learning creates a comfortable learning environment for teachers and students, it also has certain disadvantages. For example, it is quite difficult to provide effective socialization processes in e-learning systems. Unlike e-learning, traditional, face-to-face training is still considered the best model for creating a fun socialization environment for students. Weaknesses of e-learning are more effective educational approaches that include the advantages of traditional educational systems: increasing the possibilities of the database of educational consumers, the popularization of the use of information and communication technologies, Aspects such as the modernization of construction have begun to be studied. Many innovative methods and approaches have been developed and implemented in this educational research. These include Bloom's hierarchy of thinking processes, application of Keller's theories of individualized education system, Gagne's hierarchical structure of tool and thinking abilities, Merrill's component mapping theory, Clark and Guerin's basic principles of multimedia education. .

A blended approach provides an effective learning environment for students to use online learning technologies and interact with teachers or other students, improving student learning and optimizing instructional time. will bring. Blended education is manifested in the form of a solution combining software, web-based delivery methods. Using a combination of different teaching methods and technologies, blended learning aims to provide students with scientific competence:

- reduction of general education costs of the combined form of education;
- use of various educational technologies to attract more attention of students to the subject of the course;
- using a combination of lectures, seminars, practical training and other educational methods, students will have a number of conveniences, such as learning from the places they want, at the time they want. Also, interactive activities, i.e., synchronous learning activities in which all students participate at the same time, learning experience that the learner carries out individually, at his own pace and independently, in cooperation, students interact with others. (e-mail, forum and online chat), it is desirable to take into account aspects such as the assessment of their knowledge, the preservation of educational materials and the improvement of transmission.

Another important aspect of blended learning is the live, synchronized nature of these events and processes. No technology can replace the live interaction between a teacher and students, and according to John Keller's theory[5], live real-life students focus on four elements in the learning motivation model: attention, relevance, trust and satisfaction.

Attention. Various technical means and methods are used to attract the student's attention, and this is considered a necessary condition for the student's involvement in the educational process. Because, if they consider that the study is suitable for their specific circumstances, they will concentrate their attention and attention.

Dolzarblík. To show the relevance of the topic, the virtual teacher needs to use examples or analogies of how the students can use the relevant information.

Trust me. In order for students to be active, they need to master the learning material and believe in their abilities. In order to increase students' self-confidence, an experienced virtual teacher determines the requirements of the subject, the necessary competencies, and gives students enough time to practice new skills. In this case, it is possible to present practical tasks where the students' activity depends on their satisfaction with the results and educational experiences, and they can apply the knowledge, skills, qualifications and competences they have acquired.

CONCLUSION AND DISCUSSION

Today, there are many theories of education, and none of them can be considered important as a solution to all the problems of education. Blended learning is perhaps one of the ways in which all approaches to education can survive and thrive in the face of societal changes, technological advancements, and the global landscape of education.

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