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The Role Of Multimedia In The Independent Education Of Students

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ABSTRACT

This article discusses the issues of independent work of future professionals, the possibility of using multimedia in independent learning as a method of individualization in the teaching of higher education students today.

KEYWORDS

Technical base, textbooks, normative materials, modern, information technologies, electronic textbooks, interactive, e-learning courses, pedagogical technologies, training of qualified personnel, quality personnel, equipment, use.

INTRODUCTION

The Law "On Education" and the "National Program of Personnel Training" emphasize the need to develop higher education, improve the quality of educational work, the formation of creative abilities in future professionals. Education is a multifaceted and complex process consisting of the mental labor, activism and creative thinking of educators and students. Improving the effectiveness of training is inextricably linked with the scientific organization of the

educational process and the practical application of new pedagogical technologies.

MATERIALS AND METHODS

The main purpose of the organization of innovative activities in higher education is to ensure consistency of cooperation between teachers and students and to set it in a goal-oriented way. In this work, both pedagogical and management issues are addressed. It should be noted that the participants of pedagogical innovations must have a

thorough methodological, psychological, pedagogical, technological knowledge about the laws of the process of emergence, manifestation and management of innovations. Innovative technologies in higher education are understood as the management of the process of creation, adoption, evaluation, mastering and implementation of various pedagogical innovations. The conditions and opportunities created in higher education institutions are adapted to the introduction of the latest innovations, which serve to strengthen the creative activity of teachers and students.

Today, the interest in the use of innovative technologies in the education system is growing day by day. One of the reasons for this is that while the educational goals so far have focused on students only acquiring ready-made knowledge, modern technology teaches them to search for the knowledge they are acquiring and even draw their own conclusions.

To increase their creative ability by relying on active methods and forms of teaching is to make a sharp turn towards an individual approach in mass general teaching.

RESULTS AND DISCUSSIONS

The learning process is conditionally divided into two categories, regardless of the form of teaching. In traditional education, ready-made knowledge does not lead students to develop independent thinking, creative research and initiative. Today, the positive ideas and methods aimed at increasing the effectiveness of education through the use of information technology in the educational process, it is expedient to engage in independent learning and study using multimedia tools. Multimedia

tools play an important role in the use of information technology in the search, independent study and analysis of knowledge by students.

Independent work of students in higher education is the basis of the educational process. Professors and teachers strive to increase the level of mastery of teaching materials by instilling them in students, as well as to stimulate their desire for independent learning. The most important problem in independent learning is the provision of information. The effectiveness of independent learning also depends on how quickly and timely a student is able to receive information.

The quality of training in higher education depends on the material and technical base of textbooks, manuals, normative materials, modern information technology, electronic textbooks, interactive e-learning courses and pedagogical technologies. In a market economy, the training of qualified personnel is of national importance. As a result of incomplete information, they face a number of difficulties in obtaining independent knowledge, which in turn has a negative impact on the training of quality personnel. In some cases, due to lack of information, science teachers are forced to read lectures slowly in order to provide more information to students. Another reason for teaching using information technology is the lack of technical equipment and, in some cases, the unpreparedness of teachers. Today, in the computer classes connected to the Internet at the IRC of the institute, students have access to the literature, textbooks, manuals they want. In our pedagogical research, it was found that most students (72% of the number of respondents) know that it is easier and

more understandable to get the information they need through the Internet than to read from a book. Based on our many years of pedagogical experience, we believe that the role of multimedia tools in the use of different forms of independent learning for students is great.

If textbooks and manuals are sufficient, sections and topics should be studied separately for mastering the subject. This is especially useful for freshmen with less experience;

- The speaker manages to assimilate the main material to the students by reinforcing the topic with the help of handouts;
- independent study of the materials presented in the program with the help of a computer;
- be able to independently use special or scientific literature in writing term papers, dissertations, articles, abstracts;
- Improving the skills of teaching in the practice of pedagogical production, independent study of techniques, technologies in industrial practice under the supervision of professors and teachers;
- The use of active teaching methods, seminars, colloquiums, business games, current problems of science, engineering and technology, and even in the field of economics and culture.

We are far from believing that a student can fully master the science by using the above forms of organization of independent work. There are many other forms of independent work organization, all of which are aimed at improving the student's ability to work independently. In short, the importance of

independent learning is very important for a student to become a mature professional in his specialty. For this, first of all, while the information supply is good, the student's desire to learn independently also plays an important role. The reform of the education system requires the effective use of information technology and communications in teaching and raising the level of knowledge of students. The modern teacher must know his field at the level of modern requirements and be enriched with the latest information. It was found that 72% of students use various literature to improve their knowledge, 24.5% use the computer independently at times, and 3.5% are not interested at all.

CONCLUSION

The average cost of the global education system shows that MT is 50% cheaper than the traditional type of education. The experience of foreign countries (including Russia) that use MT shows that the cost of training them is 60% of the cost of training specialists on a full-time basis. The significant difference in the cost of education lies in the fact that the content of education is harmonized and integrated, and MT technology has a large number of learners, as well as the effective use of available technical means and learning areas.

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