

THE IMPORTANCE OF INFORMATION-COMMUNICATIONS IN THE CONTEXT OF A COMPETENCE-BASED APPROACH IN STUDENTS

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ABSTRACT

This article highlights the issues of preparing students for professional activity and the development of professional competencies in the higher education system through training based on information and communication technologies. The methodological and technological pedagogical, psychological and philosophical aspects of preparation for professional activity, as well as the principles and organizational aspects of the use of information and communication technologies in the educational process are also described.

Keywords: information, information communications, competencies, knowledge, skills, competencies, abilities, student, skills, computer

INTRODUCTION

Today, training of qualified personnel in the field of higher education on a global scale is developed on the basis of modern pedagogical technologies, modern information and communication technologies, modern educational projects, and the quality of training of competitive specialists is radically improved based on the adaptation of national professional qualification requirements of countries to international standards. improvement is important. Our main goal is to deliver all our knowledge to achieve quality education of young people, to realize their abilities and talents. Modern information and communication technologies serve to increase the effectiveness of the educational process and create pedagogical conditions for educational activities that are most in line with the current trends of socio-economic development, as well as improve existing methods and tools with new or improved quality.

Article 16 of the Law "On Education"[1] is based on the widespread introduction of information and communication technologies into the educational process, and the necessary knowledge, skills and training by learners in accordance with curricula and educational programs. It is intended to acquire knowledge based on electronic education and distance education technologies using information and communication technologies and the Internet global information network. Electronic education and distance education are not only the organization of educational activities using information and communication technologies, but also, most importantly, the organization of mutual cooperation of students and teachers in the classroom or at a distance. Of course, in the effective organization of this process, the information and communication professional competence of the professor comes to the fore. At each stage of continuing education, the main skill required of a pedagogue who is engaged in pedagogical activity is to have the skills to work with the latest digital technologies and professional competence. Such an approach allows the pedagogue to actively use electronic and distance technologies in the organization of interactive forms of education, for example: organization of

independent work of students, interaction between students and teachers, organization of joint work of students on projects etc.

Specific aspects of information and communication in students in the context of a competency-based approach:

1. Increasing students' activities of using the information environment;
2. Providing opportunities for students to independently master the necessary educational materials;
3. Analysis of the control of knowledge and skills acquired by students in test or written methods;
4. Creation of advice and other assistance of the department's teachers from a distance in the performance of virtual laboratory exercises and personal practical tasks.

The use of information and communication technologies in the organization of education, the development of new technologies serves as a basis for achieving the goals set before us. Therefore, the highest goal is to increase the quality of education by constantly developing the technologies that are used and should be used in the educational process and using them in a wider variety of ways.

RESEARCH METHODOLOGY

Observation and analysis methods were used in the research. The empirical source of the research was based on the results of observation and analysis, as well as the conclusions of expertise conducted by competent state bodies.

Regardless of the field of study, a student of a higher education institution needs to know information processing tools, their methods of use, and have the skills to work with them in order to perform their tasks at the level of modern requirements.

Technologies in the field of education are constantly developing, and their types are expanding. The following main groups of technologies can be distinguished:

1. Information and communication technologies in the field of education. The use of these technologies is related to the development of the information society and the active introduction of information media in all spheres of life. Such technologies are aimed at informing the minds of students. Educational programs include new subjects focused on computer science, information processes and ICT. The educational process is also being actively informed to help improve the information culture of professors and students;
2. Monitoring of intellectual development. Technologies are based on the use of graphics, a test system, new assessment methods that allow monitoring the dynamics of individual student development and the quality of education in general;
3. Educational technologies. Learning process cannot be separated from education. Therefore, new ways of developing the personality and its main qualities are being introduced;
4. Didactic technologies. They are the main factor in the development of the educational institution.

Such technologies are based on a set of technical and software tools that include the use of traditional and innovative technologies: independent work with electronic educational literature, use of audiovisual and multimedia tools, differentiated teaching methods.

The science of informatics and digital technologies serves as the basis for the formation of pedagogical professional competence of future informatics teachers. The content of the science of informatics and digital technologies serves to form digital literacy and culture, critical thinking and creative information communication competences that can be applied in independent life. Electronic library, virtual and intellectual connection, robotics, arduino, distance learning, educational content management systems, augmented reality, computational mathematics, social networks, internet commerce, working with digital information. and covers their processing technologies. Educational methodology aimed at introducing the necessary elements for the development of the economy of Uzbekistan, developing the necessary competencies for entering an independent life today, and moving to the next stage of education in order to form a strong motivation for students to study. , formation and introduction of didactic, software, equipment, and equipment is currently involved in the training of future pedagogues.

Innovation in the field of education refers to everything related to the implementation of advanced pedagogical practices - knowledge, skills and competencies. The educational process, which occupies a leading place in modern science, is aimed at providing students with knowledge, skills, abilities, and the formation of personality and civic qualities, which requires appropriate competence from all participants of this process. Of course, this is determined by modern changes, time, and a change in attitudes towards educational development.

Today, we all know that innovative technologies in education allow us to organize education and direct it in the right direction. People have not always welcomed the unknown and new things warmly, they react negatively to any changes. The reason why people do not want to accept innovations in modern education is because they block the vital needs for comfort, security and self-affirmation.

ANALYSIS AND RESULTS

Based on the results of observation and analysis, the conclusions were as follows.

1. The analysis of observations shows that the higher the level of informatization and computerization in higher education, the more future pedagogues will have the ability to effectively use these tools in their future professional activities, not only theoretically, but also practical knowledge, skills and serves the development of skills and the formation of professional competence.
2. The results of the analysis show that the effective use of electronic learning tools in the educational process of higher education is considered an important factor in the development of information and communication professional competence of future teachers, and in the future highly qualified students in the field of informatics and information technologies (IT) is considered a necessary aspect in teacher training.
3. The above-mentioned factors are important in the development of the future of our country, digitization of society, implementation of digital transformation in the educational process, that is, in the formation of a digital society.
4. The analysis of observations shows that the effective use of digital technologies in the higher education process is very important in the development of content-oriented professional

competence of future teachers, because it is the most important factor in the development of future teacher's professional competence. and is an urgent issue.

CONCLUSIONS

In conclusion, in the formation of digital literacy and culture, critical thinking and creative information communication competences in the content of the science of informatics and digital technologies in the students of the higher education system, the content of the science of informatics and digital technologies such as library, virtual and intellectual connection, robotics, arduino, distance learning, educational content management systems, augmented reality, computational mathematics, social networks, internet commerce, digital information and processing technologies. educational methodology aimed at introducing the necessary elements for the development of the economy of Uzbekistan, developing the necessary competencies for students to take a step to independent life today, to move to the next stage of education, to form a strong motivation to study, it is necessary to form didactic, software, equipment and equipment.

On the basis of these recommendations, the science of "Informatics and digital technologies" - the introduction of knowledge about the basics of science to students into practice, the general principles of the formation of types of human activity, general, digital and material culture, mastering their specific skills , also allows finding and implementing innovative solutions to practical problems based on digital technologies.

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