



## THE ROLE AND IMPORTANCE OF THE INFORMED LEARNING ENVIRONMENT IN PROFESSIONAL DIRECTION OF STUDENTS

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**ABSTRACT:**One of the main features of modern pedagogical technologies is the wide use of didactic materials, including modern information technologies and technical tools, which are used in the field of raising a mature generation. The possibilities of using information and communication technologies in the process of teaching specific subjects are endless. Taking this into account, this article describes innovative methods of using information technologies in the organization of the educational process.

**Key words.**Education, science, innovation, computer, method, technology, information, competence, pedagogue.

**The main part.** Improving the system of personnel training in the field of information technologies is one of the important conditions for the successful implementation of the "Digital Uzbekistan - 2030" strategy, the development of digital technologies and ensuring their widespread introduction into the daily life of the population.

Measures taken to increase the efficiency of the system of professional training and retraining in the field of information technologies create a solid foundation for providing state bodies and network organizations with qualified IT specialists.

That is why today, under the leadership of President Sh. Mirziyoyev, in the process of fundamental reform of the education system in our republic, strengthening the material and technical base of educational institutions and ensuring their effective use, wide introduction of new information technologies in education, comprehensive works are being carried out in connection with the organization of the activities of information resource centers based on modern requirements and criteria. Today, education is being improved in every way, and it is being organized based on the requirements of the time and it is being highly effective. [1, 57]

Introducing new pedagogical and information technologies into the educational process, bringing the educational system to a completely new level in terms of quality is an urgent task of the present day. In order to successfully conduct the educational process, a modern pedagogue must understand how important intellectual processes are. The process of gathering knowledge with the help of information technologies and turning it into a source of information for the general public is one of the main indicators of the development of the country and the education system. Using modern technologies, the teacher prepares for the lesson, organizes the lesson, monitors the students' knowledge, and brings modern information technologies at the modern optimum level of computerization to the educational process in order to improve the educational content.[2, 126]

Currently, the following factors determine the level of knowledge, skills and abilities of a pedagogue

in the field of information technologies: the requirements for information technologies, their effective application in the educational process, the search for necessary information on the subject of specialization and solving practical problems from them know how to use

Until now, in traditional education, students were taught only to acquire ready-made knowledge, but modern technologies teach students to search for the knowledge they need to acquire, independently study, analyze and draw conclusions. Today's era is the time of active actions, research, fast information, advanced technologies. Being a teacher of specific subjects requires special responsibility, strong knowledge, and tireless research.

Today, one of the main goals is to educate students to be independent thinkers. The solution to this problem depends to a large extent on the use of interactive teaching methods. First of all, let's clarify the concept of "interactive". The word "interactive" comes from the English word "interact". "Inter" means mutual, "act" means to work. Such methods aim to involve everyone in the audience by requiring collaboration. The essence of interactive teaching is to organize the educational process in such a way that all students are involved in the learning process and have the opportunity to think freely, analyze and think logically. For the organizers of teaching using the interactive method, in addition to purely educational goals, the following aspects are important:

- in the process of mutual communication of students in the group, to understand the abilities of others;
- formation of the need to interact with others and need their help;
- to develop competitive moods among students.
- solving educational issues (supporting group members during collaborative work, forming behavioral norms).

Therefore, it is shown that two main functions necessary for successful activity in teaching groups using interactive methods should be implemented, and it is a prerequisite for solving the educational problem set in the pragmatic aspect of teaching [3 , 101].

Information culture is a new type of communication that provides an opportunity to release information that has individual information; Freedom of access to information at the global local level, at all levels, can fail like national sciences; A new type of thinking, the problem of its identification and self-study, created as a result of liberating a person from routine information and intellectual work, has been identified.

Information and communication technology is a general concept that describes various devices, mechanisms, methods and algorithms for data processing.[5, 285]

One of the main problems in teaching specific subjects is the traditional way of organizing lessons. In the teaching of specific subjects, in most cases, the teacher explains the topic on the blackboard, solves the examples and problems in the textbook to the students. Such uniformity kills students' interest in science.

It is known that the activity of the student is considered the basis of the entire educational process, and the teacher directs the activity of the student towards specific goals using various methods. The main goal of educational institutions is to arm young people with the basics of science, to teach them, to think independently and freely.[4, 43]

At this point, if we think about what professional competence is, professional competence is the ability of a specialist to acquire knowledge, skills and abilities in the process of professional activity, and to have the ability to use them effectively in practical terms. Having studied the definitions given to the term of competence, it can be said that the acquisition of professional competence does not require absolute new knowledge and skills from the pedagogue, on the contrary, it requires the further strengthening of existing knowledge, the ability to apply it in practice, in everyday life, and at the same time, the integration of existing knowledge. places special emphasis on enrichment. After all, the demand of the time is to organize an integrated approach in the educational process. Fulfilling this requirement requires the teacher to have deep knowledge of integration. There are cases where professional competence is demonstrated, and they are as follows:

- the pedagogue is faced with a task that is not clear and familiar to him;
- complex process;
- a situation requiring the use of conflicting information;

- to have a strategy of action in any unexpected situation.

The first stage of informatization of education (electronicization) is characterized by the widespread introduction of electronic tools and computers into the process of training students, first in technical, then humanities, and in the process of training students. He offered to teach the basics of algorithmic and programming, elements of logic algebra, mathematical modeling on a computer. The relatively low productivity of computers at that time, the fact that they did not have an easy-to-use, intuitive and user-friendly software interface did not help the widespread use of computer technologies in the field of humanitarian education. is associated with the emergence of software, primarily characterized by the use of human-computer interaction. Computer educational technologies made it possible to study various processes and phenomena based on modeling. Computer technology has begun to act as a powerful teaching tool as part of automated systems at various levels. In the field of education, automated systems of education, control of knowledge and management of the educational process are increasingly used. The third, modern stage of education informatization is characterized by the use of powerful personal computers, high-speed high-capacity storage devices, new information and telecommunication technologies, multimedia technologies and virtual reality, as well as a philosophical understanding of the ongoing process. Informatization of education is the process of providing the educational system with the theory and practice of developing and using new information technologies aimed at realizing the goals of education and training.[6, 102]

In conclusion, it can be said that if the teacher explains the topic with other interactive methods, the students will accept it with the heuristic method. In this case, the students' activity towards the explained topic material increases, because the teacher reveals the content of the topic together with the students based on questions that have a logical sequence, in which directly the students also actively participate in the lesson process by answering the questions. In addition, attention to diversity in the teaching of specific subjects helps to improve the quality of education. Working with groups, using handouts, visual aids, electronic textbooks, virtual laboratories, and multimedia programs in classes will increase the interest of students. It also helps to use time effectively.

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