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THE ROLE OF INFORMATION TECHNOLOGY IN DISTANCE LEARNING

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Abstract: *This article provides information on the role of information technology in distance learning and how students use it. Covers the relationship between teacher and student.*

Keywords: *distance learning, information technology, pedagogical skills, student, teacher, training materials, communication technologies, online lessons.*

I. INTRODUCTION

Today, distance learning requires only one continuous, active study. In this way, along with the knowledge of the specialist, the quality of the skills will also increase. This means that distance learning technology is an interactive communication technology of teaching that encompasses the interaction between teacher and learner. The teacher takes into account the individual characteristics of the student. The learner, on the other hand, has the opportunity to acquire knowledge in accordance with these characteristics. This allows the learner to study the material in depth and thoroughly. It requires the teacher to constantly improve their pedagogical skills, because interactive teaching requires the teacher to constantly update their knowledge. At the same time, the supply of different standards of educational content by different institutions is developing the computer-based learning market on the one hand, and complicating the exchange of educational materials on the other. This leads to an increase in the cost of transferring learning materials directly to the distance learning system, resulting in the stimulus of the learner at the expense of e-learning manuals developed without complying with psychological norms. decreases.

II. MATERIALS AND METHODS

In the process of distance learning, modern information technologies are used to increase learning efficiency: e-mail, multimedia, newsgroups, video conferencing, web servers. The basis for distance learning is a web server, because it is not enough to create the ability to communicate in real time between teacher and student using video or teleconferencing, it is necessary to have an electronic environment in education.

Communication between teacher and student takes place at two levels: online communication according to the class schedule and virtual communication in the Moodle learning environment. Thus, when teaching blind students, all teaching materials and assignments are posted on the site in large text format, using audio files. The advantage of using distance technology in teaching science is that teachers can work on themselves, use the Internet, increase teacher activity, share methods between teachers, analyze each other, and know which school teacher is working. To stand up, to compete freely, to encourage the achievements of teachers, to facilitate the identification of problems and shortcomings and measures to address them.

The teacher checks and evaluates the student's work, explains the mistakes, gives advice on all issues that arise. In the course, part of the work is checked by a computer and part by a teacher. The results of the student's text assignments immediately, if unsatisfactory, has the right to retry. According to the results, the online test system will score. Classes have "Open Answer Tasks" in which the student must write a detailed answer. The teacher checks and evaluates.

Assignments for each lesson can be different: crossword puzzles, questions, tests, correspondence assignments, events and date correlations. Student responses can be completed and completed in the form of text or an attached file. The most common and most familiar to students can be considered as a text assignment. The file-type function allows students to work as they would on a laptop.

There are three ways to communicate with distance learning in real time:

- via webcam (teacher and student not only hear, but also see each other);
- via skype (you can ask any question);
- via messages on the site.

Meetings with students, introductions, equipment instructions, tips, and more are provided throughout the course. Each student is assigned a teacher who helps the student adjust to the new form of education. As a rule, the new student is taught the basic skills of working with parents in a remote environment. Active use of ICT in the teaching process helps students to choose a future profession and become more active in society. Students will acquire computer skills necessary for modern life. Distance learning may seem variable, but it is not. In e-science courses, the teacher has the opportunity to enter new information as in a regular lesson. Learning using distance technology is a creative and fun process that enriches not only students but also teachers. Improving information technology is an important part of many new areas of education. It is the school's information environment that aims to develop the school's infrastructure, including the introduction and effective use of new information services.

An important role of new information technologies in education is that they not only perform the functions of tools used in solving individual pedagogical tasks, but also create qualitatively new learning opportunities, encourage the development of didactics and methods, as well as new forms of education and upbringing contribute to the creation. With the development of computer tools and their introduction into the educational process, its participants have new opportunities, new approaches are being implemented. Distance learning technologies are mainly educational technologies that are implemented using information and telecommunication networks that interact indirectly (remotely) between students and teachers.

The teacher should have modern information technologies, when used correctly, save time preparing for the lesson, wisely allocate time to check the work and extracurricular activities, increase students' interest in their subjects, achieve high results should motivate to achieve. Modern information services help the teacher to make the lesson more effective and to make the activities with the students more interesting and meaningful. Modern telecommunications in distance learning provide interactive learning. Students will be able to communicate quickly, and the teacher will be able to respond quickly to student needs, monitor their work, and make timely corrections.

The use of distance technology encourages the teacher to continuously teach and self-develop, as it includes:

1. search in various electronic catalogs, databases, information systems;
2. organizes, analyzes and selects appropriate forms of presentation of data using modern multimedia technologies;
3. use the information obtained in solving specific creative and problem-solving tasks.

The goal of introducing distance learning technologies into the education system is to provide students with access to quality education, regardless of place of residence, social status or health status. The use of distance learning technologies creates great opportunities for the management of students' educational activities, forms a new feature of the teacher-student relationship (partnership, joint solution of educational problems), new forms. Operational learning management (online consultation, review of all student work, creation of an electronic portfolio).

Distance learning for students with disabilities. Distance learning is especially important for students with disabilities. Such students can study at home at a convenient time and at an acceptable pace, you just need to have basic computer skills. My personal experience working with students with disabilities shows that the use of distance technology helps to individualize education, create the conditions for success, provide an active approach, self-study and self-development.

Distance learning classes for students with disabilities are conducted online. Classes are designed so that, if possible, they take place during the student's greatest physical and mental activity. When a student and a teacher meet on Skype, the time is always set. There will also be time for the student to take a scanned copy of the homework, check it, scan the approved work, and then return it to the student. All scanned written work is stored in separate folders.

The learning process consists of the following stages:

1) acquisition of new knowledge;

2) perform a variety of learning tasks, exercises using new knowledge;

3) generalization and systematization of knowledge.

III. CONCLUSION

One of the new methods of distance learning is organized in these educational institutions. In this way, one speaker can give a speech to hundreds of thousands of listeners at the same time, and at the same time exchange ideas with the audience and answer questions. This method requires the effective use of high techniques. That is, each classroom should be equipped with a microphone, video camera, video projector and video-audio equipment. This method is useful not only for one educational institution, but also for all countries. That is, a speaker's talk can be heard by listeners in other countries through communication.

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