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## **Effectiveness of Online Education**

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**Abstract.** In recent years, the popularity of online education has been increasing. Due to the rapid development of technology, online education is part of the courses offered by many educational institutions around the world. At the moment, online education technologies are increasingly being introduced in schools, even for organizing the educational process in primary grades. The authors analyzed the state and the effectiveness of online education in the period of pandemic. The article describes the resources necessary for online education in the current situation.

**Keywords:** online education, student, knowledge, internet.

### **Introduction.**

Online education is a method of acquiring new knowledge using the Internet in real time. In recent years, the Internet has gone from nonexistent to the largest database of information. Online education makes education more accessible and helps during the pandemic, because people do not go to schools and universities in order not to spread the virus. Due to online education a student can get education providing he/she has an access to the Internet.

Technical progress doesn't stand still, but develops at a rapid pace, so it is possible that in the coming years online education will rise to a new level, radically different from the current one. The chosen topic has been relevant for many years and, apparently, will arouse interest for a long time. This topic is little studied, because this method of teaching in Russia appeared not so long ago and became relevant only recently due to Covid-19.

The main goal of the research is to study the effectiveness of online education; to determine what resources are required for online education and how it goes. To achieve this goal we set the following tasks:

- 1) To study the effectiveness of online education.
- 2) To determine which resources are most often used in online education.
- 3) To find out how online education works.

### **Materials and methods.**

During our research we analyzed literature comparing education in Russia and other countries. We conducted a survey to find out young people's attitude to online education and their preferences concerning the ways of studying. We asked 32 people. We compared the results and made some

conclusions which can be useful for professionals of education and also people who are interested in this topic.

## **Results.**

Sociological studies conducted in the United States and Canada have shown that full-time and online education students are not inferior to each other in terms of overall level of training. Particular differences between the study groups are observed in those parameters that are directly determined by the specifics of the educational process. Thus, students studying remotely have a greater amount of theoretical knowledge and a better understanding of modern technologies. In their turn, full-time students use their knowledge more effectively in practice and establish social connections more easily. At the same time, on average, students of both study groups showed positive results in all parameters characterizing the level of training. Based on the results of research, Western sociologists conclude that distance education is now quite capable of becoming an alternative to the traditional practice of daily visiting universities. On average, the skills and knowledge gained in the learning process in both cases are equally valuable and in demand for professional practice.

Speaking about the effectiveness of online education, it can be considered effective, but only if a student has a strong motivation to study the material independently, because there is no proper control over the student and everything depends on him. Online education is more of a self-deception and a way of complacency, allowing you to get only "crusts", but not the proper level of knowledge.

The resources you may need to study online will depend on the university where you are taking your online program. Some online learning programs may require you to pre-order physical textbooks or you will have them in electronic form. You may come across resources such as:

- \* E-books, magazines, books

These written materials are important resources in almost every course you will take them studying online. The main advantage of using e-books is the fact that they are completely portable, allowing you to learn on the go from your computer, phone or tablet.

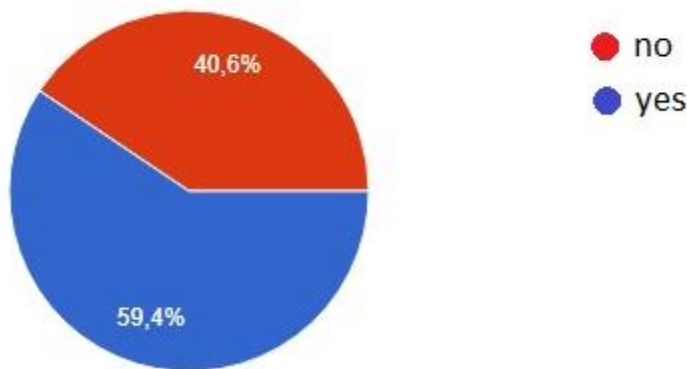
- \* Online lectures and seminars

Lectures are the main element of online and face-to-face training. A lecture is a method of giving information by a teacher to a student. Lectures are usually held on such online platforms as skype, zoom, Microsoft teams.

As we already know, online education is a method of gaining new knowledge using the Internet in real time. It's based on independent study of the material and use of information technologies. For successful distance learning, first of all, you need to have great willpower and self-control, as well

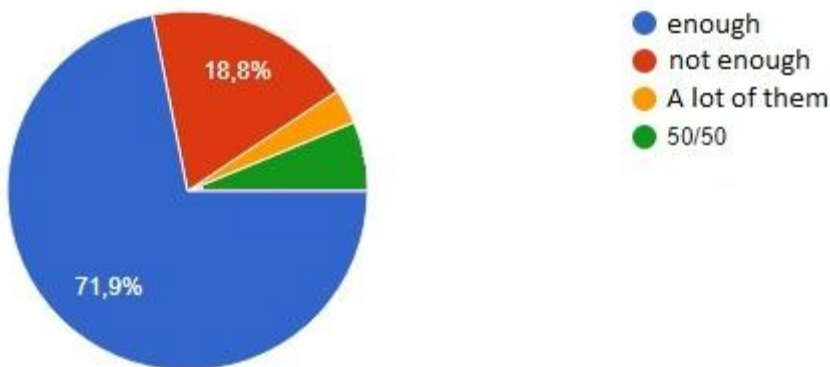
as the necessary technologies. Nowadays, there are many types of distance learning: a chat session (when all participants learn and have access to the chat during the class), a web session (online conference or lesson when students doing exercises on a special site), a teleconference (classes are conducted through an online mailing list, students perform practical tasks, automating their skills). Most of the information in online learning is learned by students themselves through video lectures, video tutorials, presentations, audio tutorials or applications. Also, any distance learning involves conducting seminars. To prepare, students study a special topic, search for the necessary information. Online classes are held via the Internet and communication is carried out between all participants who discuss a common topic. Distance learning also involves taking tests, exams, and laboratory or practical work online: the student answers the teacher's questions in real time. Students doing exams on topics are given a strictly defined deadline for completion and submission. According to the results of our survey, 59% of respondents like distance learning, they claim, that it gives them a lot benefits, they have quite enough time for their personal life (Picture 1, 2).

**Do you like distance learning?**



Pic. 1

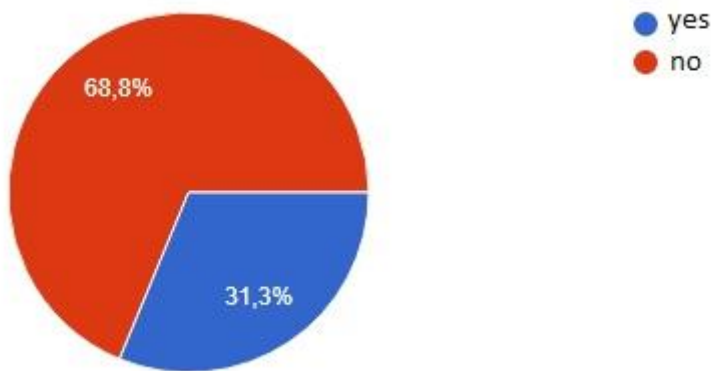
**Do you have a lot of personal time on distance learning?**



Pic. 2

But what surprised us is that 68% of the respondents think that online learning is not effective. They name different problems that bother them and prevent from getting good knowledge (Picture 3).

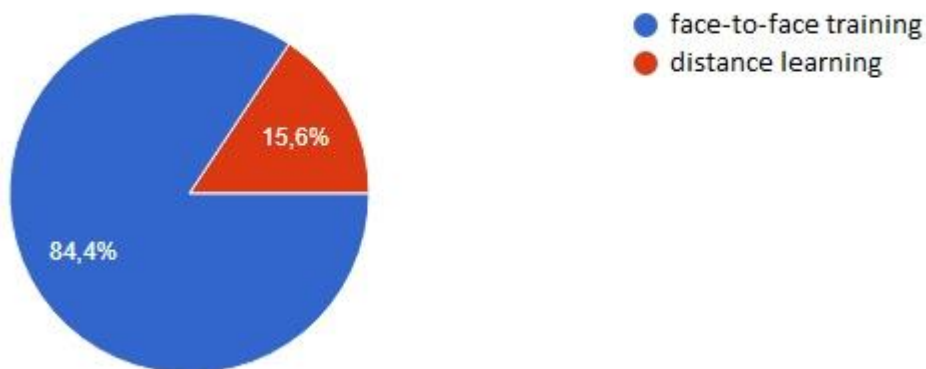
### Do you think distance learning is effective?



Pic. 3

The majority of the respondents prefer face-to-face training to distance learning. According to them, learning in a real classroom gives them an opportunity not only to get a better education, but also to socialize with peers and teachers (Picture 4).

### What would you prefer: distance learning or face-to-face training?



Pic. 4

The students point out the most important disadvantages that make distance learning unacceptable for them. First of all, while learning online they do not have social life and they do not communicate with their groupmates. Secondly, they sleep a lot and do not have any good sleep hours. The third, not the last, reason why they do not want to continue distance learning is Poor

digestibility of knowledge. It is difficult for them to understand the information on their own without help of a teacher.

## **Conclusion**

Thus, we can conclude that online education in most cases is not always effective due to many reasons, such as the organization of students, their willpower, poor digestibility of knowledge or because of technical reasons. For online education, you also need a lot of resources, such as a computer and Internet information resources.

Although, online education is much easier now than it was even 10 years ago, it is not a universal tool for everybody and for every subject. Modern technologies allow us to gain knowledge and learn, despite the distance, but for all this you need to be able to organize your studying and be able to study the material independently. It will stay with us, but it cannot replace face-to-face education. Teachers and communication are important in our life.

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