



## **Online Testing In Teaching Math: Challenges And Opportunities For Distance Learning**

**Sh. Akhtamaliev**

**Lecturer Tashkent State Pedagogical University, Uzbekistan**

### **ABSTRACT**

The article discusses the technology of online testing, which is increasingly used in teaching practice in teaching mathematics. The advantages and disadvantages of this method of teaching and control of students' knowledge are revealed. The analysis and research of vulnerabilities of modern online testing systems is presented.

### **KEYWORDS**

Innovative technologies, distance learning, online testing, personal training, challenges, testing system.

### **INTRODUCTION**

Distance learning and its link to emerging innovative technologies have collectively opened up promising prospects for the education sector. Despite the challenges of using distance learning, many teachers and students love technologies that drive continued growth in this area.

This article discusses the prospects, challenges, and future opportunities of modern distance learning, particularly some of the research and considerations made in these forms, which are provided by electronic means for online testing in teaching mathematics. The global practice of spreading the practice of online education and the latest

trends in the field of personnel training indicate the potential role of this trend in solving a large number of acute socio-economic problems of developing countries, including Uzbekistan. The results of our research confirms that online teaching poses a variety of challenges for teachers and students, but collaboration and communication help to stay in touch and interact. In the midst of the coronavirus pandemic, many university professors have been forced to relocate their professional functions online to teach and continue their studies.

### THE MAIN FINDINGS AND RESULTS

It is no exaggeration to say that online testing systems have radically changed education today. They helped improve the assessment of students' knowledge. It has become much easier for instructors to conduct exams and monitor the results and progress of their students. Long gone are the days when the teacher had to create each test manually and write the results in a journal, calculate the average score. Today's online testing systems help track the progress of each student, avoiding complex calculations. The tools for creating online tests themselves are becoming clearer and more convenient for both the trainees and the teacher. The experience of teachers using the programmed control of students' knowledge in distance education, using computer technology, allows us to highlight the following positive aspects:

1. Eliminate the possibility of hints and deception.
2. Improving the objectivity of knowledge assessment.
3. The growth of students' cognitive activity in the study of mathematics, which is due to the stimulation of this method of independent work.
4. The lack of verification in traditional classes leads to the activation of students, allows the discussion of the material in the mode of "brainstorming" when the most unexpected answers and assumptions are allowed and not punished.
5. Changing the role of a teacher who has freed himself from knowledge control and grading.
6. Exemption of the teacher from checking test papers, and using the statistical data of online testing, promptly obtaining an objective picture of progress, the ability to timely adjust the educational process.

### CONCLUSION

Thus, we can conclude from the above that the use of online testing in the teaching of mathematics provides something that traditional testing cannot provide; the computer in the lesson is a means that allows students to better know themselves, the individual characteristics of their teaching, contributing to the development of independence. The use of computer technology in testing changes the goals and content of training: new methods and organizational forms of training appear. After studying the experiences of local and foreign colleagues in the field of education, we came to the conclusion that distance learning in mathematics lessons is attractive for them, which is aimed at developing the communication skills of students, while making the teacher's work more productive. A paradigm shift is taking place throughout the education system, and we can say with confidence that it will not be the same. Society is learning about online education and the crisis is a catalyst that has accelerated the development of online education.

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