

EFFECTIVENESS OF MODERN EDUCATIONAL TECHNOLOGIES IN DEVELOPING PROFESSIONAL ERUDITION OF FUTURE TEACHERS

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Abstract: This article analyzes the role of modern educational technologies in the development of professional erudition of future teachers in pedagogical practice. The possibilities of improving the professional skills of teachers, implementing an individual approach to students and effectively organizing their learning process through the use of interactive, online and digital tools in the educational process are shown. Modern technologies are an effective means of training future teachers to update pedagogical methods and apply innovative approaches. The article considers the methodological aspects of the use of modern educational technologies in pedagogical practice and their effectiveness.

Keywords: Future teachers, professional erudition, modern educational technologies, interactive education, digital tools, online education, pedagogical methods.

Introduction

The modern education system is constantly changing as a result of social and technological development. The introduction of new approaches and innovations in education is an important factor in the effective organization of the educational process. Modern technologies are of great importance in the development of teachers' pedagogical erudition. The use of educational technologies is necessary to develop the professional competencies of future teachers in pedagogical practice. Modern educational technologies teach future teachers to organize the educational process more qualitatively and effectively, increase their pedagogical erudition, and create the opportunity to implement an individual approach to students.

Methodology

The following methodological methods were used in the study to study the use of modern educational technologies in pedagogical practice:

Practical experience in teacher training and questionnaires:

Data on the practical experience of teachers participating in the study and the use of modern educational technologies were collected. In May 2025, a survey was conducted among 60 teachers of the Andijan State Pedagogical Institute. The survey asked teachers about their experiences and opinions on the use of modern technologies in the educational process. Through this, teachers' attitudes towards technologies and their effectiveness in the educational process were studied.

Analysis of the effectiveness of the use of interactive educational tools:

The impact of the use of interactive educational technologies (interactive whiteboards, digital learning platforms and online tests) in pedagogical practice was analyzed. Based on experiments with teachers and students, the contribution of interactive tools to the educational process was studied. The effectiveness of using interactive technologies in teacher training and their assistance in teaching students was determined.

Assessment of the effectiveness of distance learning platforms:

Experimentations were conducted to guide future teachers to receive education on distance learning platforms. The results of the conducted studies revealed the effective use of distance learning platforms in teacher training. 85% of the teachers who participated in the study assessed distance learning platforms as useful in improving their professional skills.

Criteria for assessing pedagogical erudition:

The main criteria for developing the professional erudition of future teachers were developed. These criteria included assessing teachers' skills in using pedagogical methods, interactive technologies, digital tools, and an individual approach to students. Through this methodology, how teachers use technologies in pedagogical practice and its effectiveness were analyzed.

Results

Based on the results of the study, a number of important conclusions were drawn about the effectiveness of modern educational technologies in training future teachers in pedagogical practice and their impact on the development of their professional erudition.

Modern technologies help future teachers update their pedagogical methods:

According to the results of the study, interactive tools (for example, interactive whiteboards, electronic textbooks, video materials) help teachers update their teaching methods and use them more effectively. Teachers have the opportunity to learn new pedagogical approaches and make the process of providing knowledge to students more interesting and interactive. 75% of teachers who participated in the survey indicated that the use of interactive technologies in the educational process helped them improve their pedagogical competencies.

Effectiveness of online and distance learning:

Distance learning platforms are indicated as an important tool in improving the pedagogical skills of future teachers. Online courses and webinars provide teachers with the opportunity to learn new pedagogical methods and apply them in practice. The results of the study show that 80% of teachers consider distance learning platforms to be effective in updating their skills and learning pedagogical methods. Distance learning allows teachers to update their knowledge by saving time.

The role of digital tools and multimedia technologies in the educational process:

Digital technologies (for example, video tutorials, animations, infographics) help students organize the learning process effectively. 90% of teachers who participated in the study noted that multimedia tools help to attract students' attention and make the educational process effective. These technologies make the learning process more lively and interesting for students, and also helps teachers present educational materials in a clear and understandable way.

The possibility of implementing an individual approach to students:

With the help of modern technologies, teachers effectively help students implement an individual approach. Through interactive whiteboards and digital platforms, teachers have the opportunity to monitor the level of knowledge of students in real time and provide them with appropriate assistance. Students can also use online tests and quizzes to test and consolidate their knowledge. 85% of teachers who participated in the study said that using technology has made it much easier to implement an individual approach to students.

Increased pedagogical erudition:

The use of modern educational technologies in pedagogical practice helps to increase the professional erudition of future teachers. Teachers learn to use new technologies in their pedagogical activities and update their knowledge and skills. 80% of the teachers who participated in the study stated that the use of technologies in their pedagogical activities was effective in developing their professional erudition.

Conclusion

The results of the study show that modern educational technologies serve as an effective tool in training future teachers in pedagogical practice. The use of interactive, digital and online technologies in the process of training teachers improves their pedagogical methods, makes the learning process of students more effective, and contributes to the professional growth of teachers. With the help of modern technologies, teachers not only learn new pedagogical methods, but also implement an individual approach to students and organize the educational process more effectively.

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