

EFFECTIVENESS OF MODERN EDUCATIONAL TECHNOLOGIES IN FORMING PROFESSIONAL KNOWLEDGE OF FUTURE TEACHERS

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Abstract: The article analyzes the role of modern educational technologies in developing the professional erudition of future teachers in pedagogical practice. The use of interactive, online and digital tools in the educational process has demonstrated the potential for improving the professional skills of teachers, implementing an individual approach to students and effectively organizing their training. Modern technologies are an effective tool for training future teachers to update pedagogical methods and apply innovative approaches. The article discusses the methodological aspects of using modern educational technologies in pedagogical practice and their effectiveness.

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

Log in. 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 for the development of professional competencies of future teachers in pedagogical practice. Modern educational technologies teach future teachers to organize the educational process more efficiently and effectively, increase their pedagogical erudition, and create the opportunity to implement an individual approach to students.

Methodology. The study used the following methodological techniques for studying the use of modern educational technologies in pedagogical practice:

Practical experience and questionnaires in teacher training:

The study collected data on the practical experience of teacher training and the use of modern educational technologies. In May 2025, a survey was conducted among 60 teachers of the Andijan State Pedagogical Institute. During the survey, teachers were asked questions about their experience and opinions on the use of modern technologies in the educational process. This study examined teachers' attitudes towards technology and its effectiveness in the learning process. Analysis of the effectiveness of using interactive teaching tools:

The impact of using interactive educational technologies (interactive whiteboards, digital learning platforms, online tests) in pedagogical practice was analyzed. The contribution of interactive tools to the educational process was studied based on experiments conducted with teachers and students. The effectiveness of using interactive technologies in teacher training and their support for student learning was revealed.

Evaluation of the effectiveness of distance learning platforms:

Experiments were conducted to guide future teachers to training on distance learning platforms. Research has shown that distance learning platforms can be effectively used in teacher training. 85% of teachers who participated in the study rated distance learning platforms as useful for 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 an assessment of teachers' skills in the use of pedagogical methods, interactive technologies, digital tools, as well as an individual approach to students. This methodology analyzes how teachers use technology in teaching practice and how effective it is.

Results. The study yielded a number of important conclusions about the effectiveness of modern educational technologies in preparing future teachers for teaching practice and their impact on the development of their professional erudition.

Modern technologies help future teachers improve their teaching methods:

According to research, interactive tools (e.g. interactive whiteboards, electronic textbooks, video materials) help teachers update their teaching methods and apply them more effectively. Teachers were given the opportunity to master new pedagogical approaches and make the learning process interesting and interactive for students. 75% of the teachers surveyed noted that the use of interactive technologies in the educational process helped them improve their pedagogical competence.

Effectiveness of online and distance learning:

Distance learning platforms were identified as an important tool for improving the teaching skills of future teachers. Online courses and webinars provide teachers with the opportunity to master new teaching methods and apply them in practice. The results of the study show that 80% of teachers consider distance learning platforms effective for updating their skills and mastering teaching methods. Distance learning gives teachers the opportunity to update their knowledge while saving time.

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

Digital technologies (e.g. video tutorials, animation, infographics) help students effectively organize the learning process. 90% of teachers who took part in the study noted that multimedia tools help attract students' attention and make the learning process more effective. These technologies make the learning process more lively and interesting for students.

Possibility of implementing an individual approach to students:

With the help of modern technologies, teachers effectively help students implement an individual approach. With the help of interactive whiteboards and digital platforms, teachers will be able to track the level of students' knowledge in real time and provide them with appropriate support. Students can also use online tests and surveys to check and consolidate their knowledge. 85% of teachers who took

part in the study said that the use of technology made it much easier to provide individualized learning to students.

Improving pedagogical erudition:

The use of modern educational technologies in pedagogical practice helps to improve the professional erudition of future teachers. Teachers learn to use new technologies in their teaching activities, update their knowledge and skills. 80% of teachers who took part in the study said that the use of technology in teaching is effective in developing their professional erudition.

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

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