

THE ROLE OF DIGITAL TECHNOLOGIES IN IMPROVING THE QUALITY OF EDUCATION

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Abstract

Today, digital technologies are becoming an important factor in modernizing the education system and improving the quality of education. The replacement of existing systems with digital technologies has had a positive impact on educational quality. Parents can monitor their children's academic progress through electronic platforms. The use of electronic devices such as monitors, televisions and computers in lessons provides pupils and students with broad opportunities to develop digital skills and learn modern professions more effectively.

Keywords: digital technologies, quality of education, e-learning, e-learning resources, distance learning, online platforms, digital educational resources, digital transformation in education, AI assistants.

The quality of education and the availability of learning resources are increasing due to digital technologies. According to UNESCO and the World Bank, the use of e-learning resources — including online platforms, e-textbooks and video lessons — increases students' knowledge acquisition by an average of 20–30 percent. This confirms the significant role of digital learning resources in improving education quality.

Digital technologies also played an alternative and essential role during the COVID-19 pandemic. According to UNESCO, in 2020 more than 1.6 billion pupils and students worldwide transitioned to digital and distance learning. This demonstrates that digital technologies not only enhance education quality but also ensure continuity in crisis situations. Furthermore, digital management systems in education are based on openness and transparency. Electronic journals and management platforms collect student and teacher data on a daily basis, which improves monitoring, accountability and overall system efficiency.

Conclusion

The use of digital technologies in education creates additional opportunities for learners. Knowledge gained during lessons can be analyzed and improved using artificial intelligence assistants, which reduces teachers' workload and enhances the effectiveness of the educational process.

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