

NEW METHODS OF USING MOBILE TECHNOLOGIES IN THE EDUCATIONAL SYSTEM

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Abstract: *Improving the educational process using computer and digital technologies is becoming more and more popular. The widespread use and rapid development of mobile technologies ensure their wider involvement in the educational process. Many educational institutions of the world use mobile technologies to play educational multimedia web resources, provide quick access to educational sites, and organize communication between teachers and students. This article provides an overview of the problems and prospects of m-learning, the advantages and practical applications of mobile learning, and the types of mobile technologies in education.*

Keywords: *Educational process, mobile technologies, mobile education, mobile technologies, mobile education systems*

1.Introduction

Mobility of digital technologies for new forms of education creates interesting opportunities because they are teachers, students, and education changes the nature of physical relationships between objects. Even Distance learning traditions are also part of this new type of interaction cannot provide flexibility, hence the interest in "mobile learning". It can be understood that it is increasing. The process inevitably has other requirements it starts as a technology solution developed for education looks for the problem you get. The history of educational technology is this process it is often repeated that it is not the most optimal effort for education, because education for teachers which holds the reins of research, represents our requirements, and each which we use to evaluate new technology on our terms needs tools.

2.Methods

To analyze the impact of mobile technologies in education, this study uses a qualitative research approach. Data were collected from academic articles, case studies, and surveys conducted with students and teachers. The study focuses on:

The role of mobile applications in personalized learning. The use of AI-based educational tools. The effectiveness of mobile-assisted language learning (MALL). The influence of virtual classrooms on students' engagement.

3.Results: The findings indicate that mobile technologies have improved student engagement, learning flexibility, and accessibility. Key results include:

- Mobile Applications: Educational apps like Duolingo, Khan Academy, and Coursera have enhanced self-paced learning.

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- **AI-Based Learning:** AI tools such as chatbots and adaptive learning platforms provide personalized learning experiences.
- **Virtual Classrooms:** Platforms like Zoom and Google Classroom support remote learning, making education accessible to students in different locations.
- **Gamification and Interactive Learning:** Mobile games and interactive quizzes improve students' motivation and retention of knowledge.
- **Augmented Reality (AR) and Virtual Labs:** AR-based apps like Merge Cube provided immersive learning experiences.
- **AI-Powered Learning Assistants:** Chatbots and AI tutors personalized learning experiences.
- **Collaborative Learning with Mobile Apps:** Google Classroom and Microsoft Teams facilitated remote group work.

Challenges Identified: Digital divide and lack of access to devices in low-income areas. Screen fatigue and reduced face-to-face interaction.

4. Discussion

The integration of mobile technologies in education has reshaped traditional learning environments. Mobile learning offers greater flexibility and accessibility, especially for students in remote areas. However, challenges such as digital literacy, internet connectivity issues, and screen-time management need to be addressed. Future research should explore the long-term impact of mobile learning and ways to overcome these challenges. The study highlights the potential of mobile technologies to revolutionize education by making learning more engaging and accessible. However, digital inequality and excessive screen time remain concerns. Solutions include blended learning approaches and investment in digital infrastructure.

5. Conclusion

At this point, it is worth saying that now, teachers do not have to constantly fight to attract the attention of learners, through the use of mobile technologies in the educational process, which automatically encourages their participation. A new learning environment is created that encourages learning and always working on oneself. Many practitioners and industry experts believe that in the future, mobile education will become a new standard in the field of education and will rise to the level of a trend.

Mobile educational technologies play a pivotal role in shaping the future of education by providing innovative solutions to enhance the learning process. From responsive design and interactive content to personalized instruction and emerging technologies, mobile educational apps offer a wealth of opportunities to engage students, empower educators, and transform the way we learn. As technology continues to evolve, the potential for mobile educational apps to revolutionize education is boundless, paving the way for a more accessible, inclusive, and effective learning experience for all.

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