

THE ROLE AND IMPORTANCE OF MOBILE APPLICATIONS IN THE EDUCATIONAL PROCESS

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Abstract: This article examines the role of mobile applications in the modern educational process and their importance in facilitating learning. With the rapid development of mobile technologies, the process of analyzing and using mobile applications that are convenient, interactive and educational for students is becoming increasingly important. The article provides examples of the role of mobile applications in accelerating the assimilation of additional educational materials in education, providing individual characteristics and monitoring students' knowledge. In general, it provides practical recommendations for the effective use of mobile applications in education and assesses the prospects for software development.

Keywords: Mobile applications, digital technology, interactive learning, distance learning, learning efficiency, educational platform, online resources, mastery level, e-learning.

In the modern world, technology has penetrated all aspects of life, including education. Mobile applications have become an important tool, especially in simplifying and facilitating the learning process. Today, smartphones and tablets are widely used not only as a means of physical communication, but also as a platform for learning, teaching and self-development. In this article, we will talk about the role, examination and burden of mobile applications in education, as well as their prospects in this regard.

Mobile applications perform several important functions in the educational process:

Convenience. Mobile apps allow students to learn quickly and anywhere. For example, they can access learning materials outside of class or while traveling.

Interactivity. Many educational apps use games, quizzes, and multimedia production (video, audio, animation) to make the learning process fun and engaging.

Individualized. Apps adapt to the learner's level of knowledge and offer challenges that are tailored to their personal relationship. For example, language learning apps (Duolingo, Memrise) identify the user's strengths and weaknesses and tailor lessons accordingly.

Teacher-student communication. Through mobile apps, teachers can send assignments, track student work, and provide immediate feedback (e.g., Google Classroom or Microsoft Teams).

The importance of mobile applications in the educational process:

Accelerate knowledge acquisition. The learning materials are presented in a concise and understandable format, allowing students to quickly assimilate information.

Set motivation. Gamification and reward systems encourage students to actively participate.

Wide access to resources. Mobile applications provide access to books, articles, video lessons, quizzes, crosswords, and other educational materials.

Supporting inclusive education. Designed specifically for students with disabilities or special needs, making education accessible to all.

Some disadvantages of mobile apps:

Technical issues : Lack of internet connection or outdated device may interfere with the learning process.

Excessive dependence . Constantly looking at the phone while students are present is a distraction.

Information quality . Some apps may contain inaccurate or poor-quality content, which can lead to inaccurate knowledge.

Social inequality . Not all students have access to modern equipment or the internet.

In general , mobile applications are specially designed programs that can be installed on a specific platform, allowing you to perform various actions and change the learning process without being limited by traditional means, providing unlimited possibilities. In addition, these capabilities are aimed at creating the most favorable conditions for the implementation of the learning process outside the educational institution by providing access to information resources.

With the help of such mobile applications, students have the opportunity to solve a number of educational problems:

- organization of a personalized learning environment in the context of implementing a person-centered approach, taking into account the individual learning capabilities of the student;
- access to education, information and other sources of information;
- analyze information, systematize it, summarize it, identify main ideas;
- organization and implementation of project work and project activities;
- conducting tests, surveys and other types of certifications;
- adapt to the student's educational needs and capabilities;
- the ability to track learning dynamics;
- personalization of educational content, etc.

An analysis of the effectiveness of mobile applications for the learning process is presented in the table below.

Networking and working	The ability to access educational content and connect with other participants in the learning process on the same network.
Interactivity	A platform for students to gain experience in collaboration and cooperation.
Continuity	Learning with mobile content doesn't have to be linear and time-bound .
Individuality	Individual selection of the most convenient device and interface.
Freedom to choose the source of information	Social networks, cloud storage, media hosting, etc.
Mobility	Access to educational content regardless of the location of the student and educational organization
Privacy	Other types of testing and progress monitoring

At the same time, when developing tasks based on mobile applications, it is important to understand that the set educational goals can only be achieved by taking into account the principles of a specific method:

- proper selection and organization of materials;
- pay attention to the audience of students;
- choosing teaching methods and forms that are appropriate for educational goals.

In addition, a teacher developing a task on a mobile platform must develop an exercise that cannot be performed without the use of mobile technologies. Only in this case, the integration of digital technologies into the educational process can be considered a purposeful, successful and effective improvement. In addition, when designing tasks based on mobile applications, it is necessary to take into account that at the output a completely new work format is created, unlike traditional tasks, therefore, special attention should be paid to the readiness of both teachers and students to implement these improvements to the educational process. In this case, the acquisition of ICT competence, the ability to use and use mobile technologies in the educational process is implied.

Conclusion . Thus, the current practice of using mobile applications in the educational process confirms its advantages in terms of ensuring the continuity of the educational process due to the possibility of constant access to educational technology, a more comfortable perception of the need to complete tasks, and a significant reduction in the time required to complete practical tasks.

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