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# ORGANIZATION OF INDEPENDENT EDUCATION IN HIGHER EDUCATIONAL INSTITUTIONS USING MOBILE LEARNING SYSTEMS

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## ABSTRACT

This article discusses the possibilities, types, methods and possibilities of using mobile educational systems in organizing independent learning for students of higher educational institutions. Today's foreign experience in using mobile educational systems has been studied.

## KEYWORDS

Mobile technology, mobile training, mobile application, mobile phones, students' readiness for mobile learning.

## INTRODUCTION

It is known that the level of development of society is determined by the quality of education provided to the younger generation. In the modern world, education plays an important role both in the life of students and in the life of any person. We can say that the high-quality organization of independent education in higher educational institutions today interests researchers more than ever, and various research projects are being carried out in this direction. Organizing independent learning for students using mobile learning systems is one of the important methods in this direction.

## METHOD

Mobile learning continues to evolve and become more popular. This is due to several factors, such as increasing access to mobile devices, improving the quality of mobile devices, and the development of augmented reality and virtual reality technologies. According to the World Bank, in 2023, 66.5% of the world's population had access to mobile internet. This means that more and more people are able to use mobile devices for learning. Mobile devices are becoming more powerful and functional. This allows you to create more complex and interactive learning materials.

Today, mobile learning is used in various educational institutions, including schools, colleges and universities. It is also used in corporate training and professional development.

Some of the most common trends in the development of mobile learning can be identified: personalization of learning, gamification, use of artificial intelligence and machine learning. Mobile learning allows students to learn at their own pace and according to their individual needs. Using game elements in mobile apps can make learning more fun and motivating. Mobile learning can be used to personalize learning, provide feedback, and identify learning problems.

## RESULTS & DISCUSSION

Mobile learning has the potential to transform education. It can make education more accessible, effective and fun.

Scientists actively involved in mobile learning research work in various fields, such as educational technology, learning psychology, and artificial intelligence. In the field of educational technology, scientists are studying how mobile devices can be used to improve education.

They explore topics such as mobile app design, the effectiveness of mobile learning, and the impact of mobile learning on students. In the field of learning psychology, scientists study how people learn using mobile devices. They explore topics such as student motivation, the effectiveness of various teaching methods, and the effects of mobile learning on memory and attention. Scientists are also using artificial intelligence and machine learning to personalize mobile learning. They are developing systems that can track students' progress and provide them with personalized feedback.

Scientists and researchers are working to make mobile learning more effective and accessible. Their research will help us better understand how mobile devices can be used to improve education.

Mobile learning has a number of advantages for university students and teachers, such as accessibility, flexibility, individualization, and interactivity. Mobile devices are becoming more accessible and more students have them. This means that mobile learning can make education more accessible to all students, regardless of their financial status or location. Mobile learning allows students to learn at their own pace and according to their individual needs. This can be especially helpful for students with disabilities or other needs. And mobile learning can be personalized according to the individual needs and interests of students. This can help students better understand the material and achieve their educational goals. And mobile learning can be more interactive than traditional learning methods. This can make learning more fun and motivating for students.

The use of mobile learning systems allows teachers to open up new teaching opportunities. Mobile learning

can provide educators with new opportunities to teach and interact with students. Allows teachers to improve interaction with students. Mobile learning can help educators better understand the needs and interests of their students. This can lead to more effective learning. Mobile learning can help improve the quality of education by making it more accessible, effective and fun.

Here are some specific examples of how mobile learning is being used in universities:

• Mobile applications for learning. Mobile applications can be used to allow students to access course materials, complete assignments, participate in discussions, etc.

• Mobile devices for classroom learning. Mobile devices can be used by teachers to demonstrate materials, conduct surveys, etc.

• Mobile devices for distance learning. Mobile devices can be used to provide students with access to learning materials and support distance learning.

Mobile applications can be used to provide students with access to learning materials, completing assignments, participating in discussions, etc. Mobile applications for teaching programming can include the following features: video tutorials, interactive exercises, coding assignments, feedback.

Mobile apps for learning to code can be an effective way to ensure students have access to learning materials anytime, anywhere. They can also be used to personalize learning and provide feedback to students.

Mobile devices can be used by teachers to demonstrate materials, conduct surveys, etc. In the context of teaching programming, mobile devices can be used for the following purposes such as demonstrating code, conducting practical exercises, and conducting surveys.

Mobile devices in the classroom can make learning to code more interactive and fun. They can also help teachers better understand the needs and interests of their students.

There are many popular programs that are used to teach programming through mobile learning. We will look at some of them.

SoloLearn is a mobile app that offers courses in a variety of programming languages, including Python, Java, JavaScript, and C#. The application includes video tutorials, interactive exercises, as well as the ability to complete tasks and receive feedback.

Codecademy is another popular mobile app for learning to code. It offers courses in various programming languages, as well as web development, mobile development, and other areas. The application includes video tutorials, interactive exercises, as well as the ability to complete tasks and receive feedback.

Udemy is an online learning platform that offers a wide range of programming courses. Many of these courses are available in app format for mobile devices.

Coursera is another online learning platform that offers a wide range of programming courses. Many of these courses are available in app format for mobile devices.

Khan Academy is a free online platform that offers a wide range of courses in a variety of subjects, including programming. The Khan Academy mobile app includes

courses in Python, Java, JavaScript, and other programming languages.

## CONCLUSIONS

Mobile programs that offer a wide range of features and functionality that can be useful for students learning programming. They can provide students with access to learning materials anytime, anywhere, as well as the ability to personalize learning and receive feedback.

Overall, mobile learning can be an effective way to improve programming teaching in universities. However, it is important to use it in combination with other teaching methods to ensure students get the best results.

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