Possibilities of Mobile Applications to Improve the Quality of Education

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Abstract: The introduction of mobile technology in the educational process is the most promising method of teaching, the most useful method of teaching in the traditional educational process, the introduction of new forms of teaching in the traditional educational process introduction

Keywords: technology, mobile app, platform, statistics, network, smartphone, iOS, Android, (Windows Phone)

Social networks are becoming more and more popular day by day, attracting a large audience all over the world, which is facilitated by the availability of networks on smartphones. That is, mobile applications are relevant for all types of communication.

The "Action Strategy" has been developed, which has 5 priority areas for further development of the Republic of Uzbekistan. The program identifies the most important tasks in a number of priorities, continuing the measures taken in accordance with the adopted state programs and other measures to ensure comprehensive entrepreneurship and the formation of a harmoniously developed young generation.

The urgency of the problem and the level of study. Today, at a time when every aspect of our lives is developing rapidly, information and communication are widely used. In the modern world, concepts such as technology, mobile applications, electronic devices, mobile phones are also becoming an integral part of our daily lives. Especially with the increase in the type and quality of mobile phones, the demand for their applications is growing. With this in mind, it is very important to develop applications for the Android system.

We know that mobile phones are becoming more and more sophisticated and sophisticated, along with other technical devices. At the same time, the number of users is growing rapidly. From young children to the elderly, mobile phone services are available. We know that mobile phones are becoming more and more sophisticated and sophisticated, along with other technical devices. At the same time, the number of users is growing rapidly. From young children to the elderly, mobile phone services are available.

According to statistics, the average person looks at a mobile phone 60 times a day. This figure is particularly likely to increase among student youth [4]. Mobile phones are now being developed that can compete with computers. They also have their own operating system, RAM, processor, and have become a constant assistant to the user. Examples include smartphones and tablets manufactured by major companies such as Blackberry, Apple iPhone, Samsung, HTC, ZTE, LG, Artel, Redmi, Huawei. Their operating systems are also evolving with the help of artificial intelligence. In particular, the Android operating system, which began operating in recent years and now occupies 79% of the smartphone market, is showing high performance. According to a survey of students, 68-80% of students use this system. The more users of the operating system, the greater the need for running programs. This means that the development of mobile applications based on science applications for the Android system for students of higher education institutions is a topical issue at a time when the information and communication system is developing. The basis of a modern education system is a high-quality and high-tech environment. Its creation and development is technically complex, but such an environment serves to improve the education system, the introduction of information and communication technologies in education. In order to implement the requirements of the "National Training Program", as well as to ensure a high level of training of the younger generation, the creation of an e-learning complex on subjects with

national values is one of the issues of national importance [3].

In today's rapidly evolving society, with the widespread introduction of modern information and communication tools, the rapid renewal of knowledge in all areas of science, the task of students to acquire them quickly and efficiently, as well as regularly and independently seek knowledge. . Therefore, the issue of educating people who are loyal to the idea of national independence, have sufficient intellectual potential, independent thinking and observation on the basis of modern scientific achievements, as well as the training of competitive, highly qualified personnel requires the creation of e-textbooks and mobile applications.

Mobile app (English app: Mobile app) - an application designed for a specific platform (iOS, Android, Windows Phone, etc.) to work on smartphones, tablets and other mobile devices. Most mobile apps are pre-installed on the device or can be downloaded for free or for a fee from online app stores such as the App Store, Google Play, and more.

Initially, mobile apps were used to quickly check email, but their high demand has led to expansion in other areas, such as mobile phone and GPS games, chat, video watching, and Internet use.

The term has been popular since 2007 and was included in the American Words of the Year list in 2010.The term has been popular since 2007 and was included in the American Words of the Year list in 2010.

Today, the mobile application market is very developed and growing steadily. According to statistics, the gross annual revenue of the mobile application industry will exceed $ 189 billion by 2020. [9]

One of the main tasks of the "Concept of creating a new generation of textbooks for continuing education", which meets the requirements of the national model of training and developed on the basis of state educational standards, is to create e-textbooks for applications in various disciplines. Development of intellectual, psychological, pedagogical and methodological requirements, clear definitions of their existing forms and types for the correct and rational use of electronic textbooks and mobile applications in science, as well as the development of modern electronic textbooks and mobile applications in the country. It is planned to determine the scope of strategic issues. It is important to improve the teaching of "Botany" in higher education, to increase the effectiveness of education through the widespread use of modern pedagogical and information technologies, non-traditional and interactive methods in the study of science. Therefore, the development and implementation of a set of teaching materials in accordance with the content of teaching, especially in the form of games, is one of the most important issues in educating young people.

METHODOLOGY

➢ Theoretical methods of studying normative legal documents, theoretical analysis and synthesis,

➢ Methods of analysis, modeling, design rations, conclusions of the state of e-learning in the world;

➢ General scientific methods - modeling, design, linking, analysis, synthesis, generalization, systematization, classification;

➢ Empirical methods - methods of observation, questionnaires, pedagogical diagnostics, monograph research, methods of statistical processing and qualitative analysis of the results of experimental results;

➢ Mathematical methods.

➢ The value of mobile applications in education is growing due to the following benefits:

➢ Collaborative work of students working on the assignment during the lesson or outside of class time;

➢ File sharing;

➢ Interaction between the organization of distance education and parents;

➢ Time independence of mobile education;

➢ Expand the boundaries of learning;

On March 16, 2020, quarantine was declared in the territory of the Republic. This situation has affected all sectors of the country. It is safe to say that it has brought a number of innovations in the field of education. In this regard, Bukhara State University has introduced an online education system.

According to a survey conducted by the Department of Biology in groups 13-4bio-19, 92% of students attend classes using their mobile devices. It was found that more than 89% of students have an Android operating system on their mobile phone. In this regard, it should be noted that students have the opportunity to study using mobile devices, to carry out some practical training using mobile devices. Today, mobile internet access has multiplied compared to personal and portable computers on the planet (The Economist, 2012). The use of mobile technology in education, the introduction of mobile technology in the current pandemic, especially at a time when online learning continues in educational institutions, will help our students to take advantage of such opportunities.

In conclusion, it should be noted that the introduction of mobile technology in the educational process is the most promising method of teaching, the most useful method of teaching in the traditional educational process, the transition to the traditional educational process. 'allows the introduction of new forms of the unit.

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