USE OF MOBILE APPLICATIONS IN TEACHING PROGRAMMING LANGUAGES TO STUDENTS OF THE HIGHER EDUCATION SYSTEM

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A B S T R A C T	K E Y W O R D S
In this article, based on the possibilities of teaching programming languages to students of higher educational institutions of the Republic of Uzbekistan in depth, the convenience of teaching programming languages through the production of mobile applications, and online platforms for teaching programming are discussed is conducted.	IT park, mobile application, programming languages, platform, Codecademy, Udemy, Coursera.

Introduction

On February 28, 2023, the President of the Republic of Uzbekistan "On the state program for the implementation of the development strategy of New Uzbekistan for the years 2022-2026 in the "year of attention to people and quality education" No. PF-27 and on measures to effectively organize public administration in the field of digital technologies within the framework of administrative reforms" may be implemented by IT-park residents with Decree No. PF-76 of May 24, 2023 In accordance with the decision to expand the types of activities, opportunities are being created for students of higher education institutions of the Republic of Uzbekistan to learn programming languages in depth and to have a wider knowledge of programming. At the same time, in order to make teaching programming languages more convenient and understandable, various methods and methods are being developed and improved, one of them is teaching programming languages through the development of mobile applications [1-5].

It is much more convenient to teach a student programming languages through the development of mobile applications. The reason is that the consciousness and thinking of people today is advancing to a very high level. In modern times, everyone has gadgets, that is, phones. It would be much more convenient for users if applications that teach programming languages were developed and installed on mobile phones by downloading them. The student has difficulty knowing how and where to use a function or operator he needs, and instead of searching for a book or the Internet, he enters the application on his phone and opens and uses the information expressed through examples from the section shown in the menu. . This creates a great opportunity for the user to gain time and Internet traffic [6-9].

There are several online platforms for learning programming. These platforms make it easy to learn programming at any level and don't cost much money or time. The following platforms provide convenient and popular services for learning programming:

Codecademy is a platform designed to make learning programming easy and convenient. Here you can take short courses to learn programming languages. Access to this platform is free and there are special programs for the learning process.

Udemy - This platform has unique programming courses, problems, and video tutorials. On Udemy, you can learn about various programming languages, web development, Android and iOS programming, and many other topics. Learning through Udemy is purchased per course.

Coursera - This platform is designed for advanced students, courses offered by universities and companies. Many courses like programming, data analysis and mathematics are taught here. On this platform, it is possible to easily choose the direction of study [10-11].

In conclusion, it should be noted that teaching programming languages to students has become more complicated today, because students have to learn several programming languages at the same time. To solve this complexity, a specific algorithm was developed, and based on this algorithm, work was carried out to improve mobile applications that teach programming languages. In addition, it is effective to use it based on various methods, data, mathematical models and structures that teach programming in mobile applications.

References:

1. K.K. Seytnazarov, K.I. Kalimbetov. tea and munching his body, the processes of students' models and algorithms/ ACADEMICIA: an international multidisciplinary research Journal 11 (2), 527-533

2. K.K. Seytnazarov, K.I. Kalimbetov.computer science in science in oqitish effective techniques to choose you get to and decisions that take it to the software security re work out / PHYSICS, MATHEMATICS and computer science of scientific-methodical journal Tashkent, 88-98

3. K.K. Seitnazarov, K.I. Kalimbetov.Computer science science for teaching effective techniques to choose tart decisions take you to the system/ Academic research in educational science, 2 (CSPI conference 1), 755-759

4. K.K. Seitnazarov, B.K. Turemuratova/ PRIMENENIE iskusstvennogo distantsionnogo obrazovaniya intelligence system texnologii v / Novosti obrazovaniya: issledovanie v XXI vek is 1 (1), 176-185

5. K.K. Seitnazarov, B.K. Turemuratova. Raz Mej known Glubokim I Mashinnim Obucheniem / Periodica Journal of Modern Philosophy, Social Science and Humanities 6...

6. K.K. Seitnazarov / development of decision-making algorithms based on mathematical calculations of the assessment irreversible in my Students' Knowledge / nv annual events-NATURAL VOLATILES & essential oil journal| nv annual events, 13717-13723

7. K.K. Seitnazarov, N.S. Muxiyatdinov, M.M. Urinbaeva. I ego primenenie v prinyatii resheniy iskusstvenniy intellekt: method, algorithm I perspektiv / Journal of Universal Science Research 1 (6), 72-79

8. K.K. Seitnazarov, K.I. Kalimbetov.NO'IYMAS TOE 'did it MA'lumot of KO 'PLIGI in the context of UNIVERSITIES of Students KNOWLEDGE in assessing decisions that take it to the/ Computer technology 1 (10)

9. K.K. Seitnazarov, N.S. Muxiyatdinov, M.M. Urinbaeva. VREMYA EGO PRIMENENIE OF WHERE UR INFORMATIK ISKUSSTVENNIY INTELLEKT I/ O'TIME IN THE SUBJECT OF INNOVATION AND SCIENTIFIC RESEARCH JOURNAL, 2 (19...

10. K.K. Seytnazarov, P.I. Kenesbaeva. INNOVATIVE TEXNOLOGII V OBRAZOVATELNOM IS PROSESS/ INTERNATIONAL SCIENTIFIC AND TECHNICAL JOURNAL "INNOVATIVE TECHNICAL AND...

11. K.K. Seitnazarov, N.S. Muxiyatdinov, M.M. Urinbaeva. Zada president prinyatiya resheniy v usloviyax riskovix the beginning when NEOPREDELENNOSTI/ the world of science 6 (5), 150-154.