THE IMPORTANCE OF NEW TECHNOLOGIES IN THE SYSTEM OF HIGHER EDUCATION

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Abstract:

This article examines the importance of new technologies in the higher education system of our country, the significance of multimedia tools in teaching, their effective use, and the increasing interest of young people in the field of IT.

Glossary: IT incubation, electronic interactive board, technology, multimedia, IT park, mentor, platform.

In today's world, technologies have brought conveniences to every aspect of our life and it is hard to imagine some fields without technologies. Moreover, the global information network, with its volume and speed, allows us to receive information in any field to the desired extent. Therefore, it is also considered a relevant issue to effectively use modern technologies to improve the quality of higher education. If we look at the leading higher education institutions in the world rankings, we can see that technologies are widely used in teaching, and this plays an important role in developing education.

Emphasis should be placed on using technology, for instance, various multimedia, images, and videos, in an engaging and interesting way during the learning process, providing students with the opportunity to quickly and easily retain new information. Nowadays, with the rapid development of information technology, there are various discussions on how this amazing scientific technology that not only contributes to our work but also improves our lives, can be used to the maximum benefit.

Some people even wonder why we are not using it in the most effective way possible. As a response to this question, it can be said, "because we have not learned how to use it properly." As emphasized above, the use of modern information technologies in the learning process not only increases students' interest in learning but also strengthens their knowledge and skills in using computer technologies.

[1]**"An example of Albert Einstein's remarks on technology."**

The passage discusses the importance of utilizing information and communication technologies (ICT) in education and learning. It emphasizes the need for students to have knowledge and skills in utilizing these technologies, not just for their interest in learning, but also to strengthen their computer literacy. The passage also notes that the use of multimedia in teaching can save time and increase engagement. The author suggests that using ICT can lead to a 30% reduction in the time it takes to learn and retain information, and can increase information retention to 25-30%.

The statement that the development of education leads to the development of the state's infrastructure and future is not unfounded. Nowadays, various modern information technologies are widely used in the educational process in many educational institutions, the President of the Republic of Uzbekistan Sh. Mirziyoyev, in December 20, 2022, gave an example of "Increasing attention and improving the quality of education" for the year 2023 In his request to the supreme assembly and the people of Uzbekistan. Similarly, the Presidential Decree No. PQ-2909 of April 20, 2017, "On further development measures for the higher education system," sets the tasks of improving the quality of education, equipping higher education institutions with modern information and communication technologies, expanding access to world educational resources, electronic catalogs, and information databases for higher education students, teachers, and young researchers.

In addition, in the Presidential Decree No. PQ-4884 dated November 6, 2020, "On additional measures to further improve the education system," it was stated that all higher education institutions should convert their lecture notes, educational methods, and other materials into digital formats and ensure the creation of electronic platforms for them, as well as establish a digital information retrieval system for them. It was emphasized that electronic modules should be developed and implemented for each subject area for lectures, practical seminars, laboratory activities, and independent work.

In order to address these issues properly, modern and advanced information technologies are being used in higher education institutions and educational institutions that are currently active. The "Angren" University, for example, is a newly established university that can be mentioned

in this regard. The university was established in 1967 and was re-established in Angren city as a project

in 2014 with the aim of reviving the former Tashkent Province Pedagogical Institute. It is a higher education institution that meets modern educational standards and is based on foreign experience. Interactive classrooms have been equipped with electronic boards to organize classes in an interactive manner.

Currently, a lot of positive work is being done in Uzbekistan to raise, educate, provide knowledge, bring closer to modern information technologies and promote the use of new equipment and technologies, especially in the field of higher education where IT- incubators are being established with great enthusiasm.

Until recently, there was no startup platform with mentors and trainers to guide students in developing their ideas and projects. But with the help of IT Park and higher education institutions, students can now not only implement their ideas and projects but also receive assistance from teachers, mentors, and specialists. IT incubators play a crucial role in this process.

Currently, IT incubation centers are active in the following higher education institutions in Uzbekistan:

1. The branch of the Plekhanov Russian University of Economics in Tashkent;
2. Turin Polytechnic University in Tashkent;
3. Tashkent Institute of Finance;
4. Inha University in Tashkent;
5. Tashkent State University of Economics;
6. Amitai University in Tashkent;
7. Karshi Engineering and Economics Institute;
8. Andijan Machine Building Institute;
9. Andijan Agro-Technology Institute.

In addition to the advantages of new technology, students can also learn at their own pace. To better understand important concepts, they can access class materials such as videos and slides. For instance, the electronic interactive board is highly effective in improving the quality of education, as it facilitates the efficient use of learning resources during the learning process. (See image 1)

EIB greetings create more interesting and orgasmic opportunities for intimacy	The technical support of interactive whiteboards provides opportunities to create innovative instructional materials that enhance the learning process, appeal to learners, and facilitate the exploration of new topics.
The important aspects of electronic interactive boards	
Through the interactive board, all actions carried out can be captured and the prepared electronic materials can be presented to students as high-quality files, which is possible to provide to students during the taught lesson.	By actively using the interactive board, it is possible to create more engaging and interesting lesson content, and to conduct lessons in a proactive manner by preparing lesson plans independently and working with students using the board.

Importance of Electronic Interactive Boards

In fact, as part of the joint task set by the leader of our state, Uzbekistan aims to become one of the top 50 innovative countries in the world by 2030, according to the Global Innovation Index. To achieve this, it is necessary to introduce advanced technologies and innovations in all areas of our lives. It is also important for people to learn how to effectively use these available technologies for their benefit.

1.   IT-Incubation - a startup platform that provides advice and guidance to students to develop their ideas, with the help of mentors and coaches from leading educational institutions.

2.   EIB - an electronic interactive board that represents a new digital teaching tool that replaces traditional boards and blackboards.

Manuals:

1. The request by the President of the Republic of Uzbekistan Sh. Mirziyoyev to the supreme assembly and the people of Uzbekistan. December 20, 2022.

2. Decree of the President of the Republic of Uzbekistan "On further improving the higher education system." April 20, 2017.

3. Decree of the President of the Republic of Uzbekistan "Additional measures to further develop the education system." November 6, 2020.

4. www.scientificprogress.uz

5. info@it-park.uz