THE IMPACT OF INFORMATION TECHNOLOGIES ON THE EFFECTIVENESS OF EDUCATION

Ravshanona Nodirabonu
1st-year student at Andijan State University

Abstract: This article provides information about the modern, pedagogical, and information technologies and their types used in the rapidly developing education system. It also analyzes the positive and negative aspects of modern technologies. Furthermore, it examines the beneficial aspects of these technologies in improving educational effectiveness in practice and the problems encountered in their use, concluding with suggestions to further improve the quality of education.

Keywords: information technologies, quality of education, distance learning, interactive methods, system.

Introduction: It is no secret that since Uzbekistan gained independence, it has been striving for rapid development. Nowadays, it seems that the best solution to this issue has been found because our government has been paying more attention to improving the education system and its quality in recent years. One of the main tasks on this effective path is to enhance the education system with information technologies and to use interactive methods that meet international standards.

First, if we consider the word "TECHNOLOGY," it is derived from Greek, where "techne" means skill or art, and "logos" means science or education. Today, when we hear the word technology, modern gadgets come to mind. Also, terms like "PEDAGOGICAL TECHNOLOGIES" and "INFORMATION TECHNOLOGIES" are frequently encountered. Undoubtedly, these terms are used when discussing the education system. So, why are they needed? What benefits can they bring? It is known that modern information technologies have been used for many years to improve the quality of education. Initially, this process started with computers and now includes electronic boards and smart TVs. This is certainly a positive development.

We are witnessing the results of these continuous efforts. The education system has changed significantly in recent years. Especially during the COVID-19 pandemic, modern technologies demonstrated their power. School lessons were broadcast on television, and temporarily, education shifted online. After the pandemic, distance learning programs increased in higher education institutions. Students gained the opportunity to study from home, which provided them with more options. Young people could work individually with teachers and learn freely through modern gadgets. This direction was created based on the personal needs of students, and today, modern

education methods have significantly increased. Even prestigious foreign universities now offer opportunities for distance learning. This situation clearly pleases all of us.

Moreover, information technologies make things easier not only for students but also for teachers. Teachers can make their lessons more understandable using various interactive methods and video clips. Currently, there are also opportunities to purchase online lessons from foreign experts or participate in their classes. This indicates that information technologies positively and effectively influence the education system.

In fact, considering that the main function of information technologies is to popularize software and hardware tools that help collect, store, process, and transmit information, information technologies make the educational process more convenient. They manifest in lessons through electronic textbooks, online platforms, and multimedia tools. Additionally, information technologies help organize lessons more interestingly and interactively through electronic resources. They also increase students' enthusiasm for the lessons and further develop their abilities for independent work.At the same time, information technologies serve not only as a means of imparting knowledge but also as a mechanism for remotely managing lesson processes, analyzing and monitoring covered topics. For example, electronic diaries strengthen the communication between teachers and students.

Of course, there are also several problems encountered in the use of information technologies. One of them is the insufficient and unsatisfactory technical support. In some educational institutions, the low number of smart computers or the unsatisfactory internet speed in certain places can be clear examples of this. Additionally, the insufficient digital literacy of educators regarding digital technologies and their proper use remains one of the pressing issues. Because if teachers cannot effectively use these tools, both the quality of education and students' interest will decline. Currently, the excessive use of modern gadgets by students is also under wide discussion. This is because the consequences may not be positive. We are witnessing some young people using technologies aimlessly for useless activities. This, in turn, negatively affects their health.

To address these problems, various discussions are currently underway. The number of "INFORMATICS AND INFORMATION TECHNOLOGIES" lessons in educational institutions has been increased. Moreover, the issue of teaching this subject starting from primary school has been raised. Because nowadays, it is impossible to imagine the education system without technologies. Teaching young people to use modern technologies wisely from early grades will certainly have a positive impact in the future.

Conclusions and suggestions:

In conclusion, modern information technologies play an important role in increasing the effectiveness of education. They make the educational process more

modern, convenient, and high-quality. However, it is also necessary not to forget to eliminate some problems that arise during the use of technologies. For this purpose, we can make the following suggestions.

Providing educational institutions with modern technological tools and promoting their wise use will further improve the quality of education. Furthermore, it would be appropriate to organize continuous digital literacy training courses for teachers and involve them. Also, enriching electronic educational resources and continuously updating them will improve the quality of education. Moreover, most importantly, if a study guide that includes the correct use of information technologies and the normative rules within them is developed, any problem would be resolved.

If the following issues are considered, information technologies will take the education system to a new level.

References:

1.www.ziyonet.uz
2.www.scholar.google.com
3.To'xtaboyev B. Information Technologies and Education.-Tashkent: Fan, 2017
4.Informatics and Information Technologies. Textbook for 8th grade / Victoria W. Denise T.-Tashkent: 2023