

THE IMPACT OF MODERN TECHNOLOGY ON EDUCATION

M.F.Faxriddinov¹ 1. O'zbekiston-Finlandiya pedagogika instituti, Samarqand, O'zbekiston

**Faxriddinov
M.F.**

Teacher of
Uzbek-Finnish
Pedagogical
Institute,
Samarkand,
Uzbekistan
faxriddinov.muhammadriddin@mail.ru

Annotatsiya: Maqolada zamonaviy texnologiyalarning samaradorligi, ulardan foydalanishning qulayligi va ularning ta'limga ta'siri muhokama qilinadi. Bundan tashqari, u HEMIS dasturini o'qituvchilar va talabalar uchun qanday foyda keltirishini tasvirlaydi. Shuningdek, texnologiya barcha mavjud resurslarni va sinfdan tashqarida o'rganish uchun ko'proq imkoniyatlarni qanday yaratishi masalasi muhokama qilinadi.

Kalit so'zlar: resurs, kompyuter, dasturiy ta'minot, ta'lim, texnologiya, Moodle platformasi, HEMIS, ma'muriy boshqaruv, o'quv jarayoni, ilmiy faoliyat, statistika.

Аннотация: В статье обсуждается эффективность и удобство использования современных технологий и их влияние на образование. Кроме того, в ней описывается программа HEMIS и то, как она создает преимущества как для учителей, так и для учащихся. Также обсуждается, как технологии создают все доступные ресурсы и больше возможностей для обучения за пределами классной комнаты.

Ключевые слова: ресурс, компьютер, программное обеспечение, образование, технология, платформа moodle, HEMIS, административное управление, образовательный процесс, научная деятельность, статистика.

Abstract: The article discusses the effectiveness and convenience of using modern technologies, and its impact on education. Moreover, it describes the HEMIS program, and how it creates advantages for both teachers and students. It also discusses how technology creates all time available resources and more room for education beyond classroom environment.

Keywords: resource, computer, software, education, technology, moodle platform, HEMIS, administrative management, educational process, scientific activity, statistics.

Today, improving the Personnel Training System successful implementation of the Strategy "Digital Uzbekistan — 2030" and the integration of education with technology are among our priority tasks that cannot be avoided [1].

It is obvious that we live in the age of modern technology. A number of new technologies, computers, online platforms, new and modern educational equipment are among them. We are seeing with many proofs that it is not so difficult to understand how useful and effective they are.

In the educational system, as in every field, taking classes in harmony with technology helps to dramatically improve the quality of Education. Through them, each educational person becomes able to fully master and improve the knowledge, skills and abilities that he needs.

The main thing is that they can fully use effective methods of its further improvement, processing and bringing it to the rest of the audience as well. For example, the HEMIS (Higher Education Management Information Systems) Program, one of the new platforms that entered the education system, brought relief to the Old, difficult system by hybridizing the traditional education system in Uzbekistan with the digital education system [2]. In the system of Higher Education, the digital university project is still underway. Currently, in order to drastically

reduce the number of various reports and data received from higher educational institutions in the educational process, abandon the paper form of their preparation, digitalize the management system, within the framework of the Digital University project, an "Information System for managing higher education processes" has been developed. This information system includes information systems" administrative management", "educational process", "scientific activity" and "financial management and statistics". Implementation of the information system of management of higher education processes ensuring transparency in the educational system; automation of Educational, Scientific, administrative and financial processes in it; preventing the occurrence of bureaucratic obstacles in its system and reducing financial costs; reducing the time spent on management processes and increasing labor efficiency; monitoring the effectiveness of the activities of participants in the educational process; optimization and acceleration of the process of formation and decision-making of analytical data, including several goals.

In addition, through the HEMIS program, it is possible to conduct in effective ways of inextricable connection between students and teachers. Students have full access to the information posted by the teacher not only on the territory of the university, but also wherever they want. Tasks that should be evaluated as independent learning can also be placed on the platform. The teacher and the student conduct a dialogue on the direct contactless platform. This will help to further improve the quality of education, to ensure transparency. Technologies in education are associated not only with the use of digital devices. They were also chosen as an additional force to facilitate interaction between the teacher and the student, to increase efficiency, the quality of the educational process.

Digital education creates new educational opportunities. Personalized educational opportunities appear, new models of cooperation appear, a range of innovative and attractive educational strategies for students has expanded. "Technology can become "wings" that allow the world of education to fly longer and faster than ever", says Jenny Arledge, a vocational guidance and technical education (CTE) teacher [3].

Technology allows us to experiment more with pedagogy and get quick feedback. Modern technologies allow students to become active participants in the educational process, and teachers to create new approaches, methods, models of teaching and upbringing. For example, the teacher can conduct an online survey at any stage of the lecture to determine the degree of assimilation of the material being studied, or the student can use links to relevant materials or resources. In addition, students can look for answers to the questions asked, form their own position and then defend it.

Technology helps to ensure the active involvement of students in the educational process. Online survey and other digital tools help to attract all readers, including timid, insecure, who usually don't take the initiative. Online systems allow you to regularly receive feedback, including student feedback on the availability of educational materials and assignments. Data analysis allows the teacher to easily and quickly identify the difficulties of each child and provide timely assistance,

identify places where students can compete, that is, it will be possible to easily recall the work of each student or work in a group. For example, the use of such an active teaching method as a technology quiz can significantly increase its effectiveness. At the beginning of the lesson, the teacher can conduct a quiz using technical means and quickly assess the initial level of students, spending a few minutes on obtaining reliable information and analyzing it. In addition, the teacher can objectively understand where to direct his actions and how to organize the work of students and make adjustments to the organization of the educational process. Holding the same quiz at the end of the lesson will again allow you to spend a minimum of time, get feedback and evaluate the results and success of the study to students.

Technology provides students with easy-to-access information, accelerated learning, and fun opportunities to practice what they learn. As an example, the AutoCAD program is an excellent and popular program that performs with high accuracy and quality when creating any type of schemes and drawings. With the usage of this program drawings are clear, neat. When constructing sections of polyhedrons, one can use the mode records of the sequential build process itself, which allows save time significantly during the lesson [4]. It enables students to explore new subjects and deepen their understanding of difficult concepts, particularly in STEM. Through the use of technology inside and outside the classroom, students can gain 21st-century technical skills necessary for future occupations [6].

In addition, there are many resources for organizing effective student learning activities. There is no shortage of tools that can significantly change the organization of educational activities in Mobile Platform applications and electronic textbooks. Some technical devices use different types of incentives and help absorb information in the learning process, applying competitive scenarios to distribute points and rewards to make the learning process more interesting and attractive. An important condition for the use of such technical means is the achievement of educational goals. Some mobile platforms and electronic textbooks include role-playing games, where students are given the opportunity to convey facts and their evidence, for example, in favor of historical figures or scientific concepts. In addition, gaming technologies help to introduce healthy competition into the learning process. Modern automated training systems help to organize effective educational activities and realistically assess the achievements of each student. One of the advantages of the computer graphics is a mathematical approach to the image [7], which contributes to the development of the intelligence, logical and abstract thinking, ability to visualize an object [5].

Modern technological tools simplify the systematization and selection of individual tasks for students help to monitor their activity of participation in the discussion, etc. Technology helps the teacher automate or use a number of tedious tasks. Automation can make it easier and reduce time to perform routine but time-consuming tasks, such as monitoring the attendance of students and the effectiveness of learning activities, for example. The same method had a great influence on the course process of universities operating on the Moodle system. The Moodle software

platform is widely used in distance education, it allows you to support the active interaction of teachers and students, as well as students with each other-to create and conduct various training courses online, focusing on solving problems together, discussing, sharing knowledge and other types of teamwork. The Moodle training platform is widely used in more than 200 countries around the world, including Uzbekistan.

If the information in textbooks or tutorials can be quickly updated and supplemented, including by the students themselves, the value of the learning process increases. Modern technologies expand communication capabilities and create a more effective learning environment. On the internet, students united in groups can exchange information, work together on group projects and interact with the teacher.

In general, the ability to use technology is an important type of life skills and literacy. Nowadays, having digital literacy is much more effective than having "individual technological skills". Today, there is a lot of talk about a deep understanding of the digital environment, which provides intuitive adaptation to new contexts and, together with other readers, content creation. These include creating presentations, learning to find reliable sources on the internet, supporting the right online etiquette, and more. These are life skills that students can acquire in the learning process, and they will be useful to each child throughout life. Digital literacy not only helps educational organizations to improve the quality of education, but also allows learning outcomes to always remain relevant.

Unfortunately, as is the second side of any coin, modern technology does not have some negative aspects. Technology can distract from the learning process. Studies have shown that smartphones and gadgets still distract children from the learning process. But the teacher's task is to make the learning process interesting, and if students are distracted, then this is not technology and devices, but the teacher's problem. Today, the formation of culture and respect for all participants in the educational process is an urgent task. In addition to limiting the use of gadgets, it is necessary to correctly implement specific tasks, projects, time detection and technology capabilities in the classroom.

Another invisible negative aspect of technology it has a negative impact on the development of students' communication skills and social interaction.

Many teachers do not like gadgets because they reduce students' ability to communicate real life. However, if the teacher creates tasks that allow the use of technological means, oral presentations and group cooperation [9], then the children actively interact with each other.

Technology is a tool that significantly increases the quality of the educational process, but it does not arise on its own. A modern teacher should use it wisely, keep it under control and know the advantages.

Another important point is that students do not have equal access to technological resources. Not all students have access to a tablet, laptop, smartphone or even permanent Internet. They may be offered tasks that allow them to work in a

group and share resources, as well as the use of libraries or other organizations that can use technology.

The benefits of technology have always outweighed its negative effects. As for the field of education, the key to the introduction of technology in education is always determined by the teacher — student relationship, because this is where education takes place. Technology can be a very effective tool, but it's just a tool. Technology is not intended to replace teacher, on the contrary, the idea is to create a learning environment that allows you to transfer the organization of the educational process from the "theater of one actor" to cooperation and effective educational activities.

Today we are at the first stage of the introduction of technologies in education. The implementation process can offend, annoy someone, take a lot of time and effort, but in the end, technology can "open the doors" for new experiences, discoveries, teaching methods and cooperation between students and teachers.

References

1. Decree of the President of the Republic of Uzbekistan No. 6079, dated 2020, on the approval of the strategy "Digital Uzbekistan-2030" and measures for its effective implementation.
2. Development concept of introducing information communication technologies into the system of the Ministry of Higher Education of the Republic of Uzbekistan, Tashkent, 2013.
3. How teachers use technology to enrich the learning experience. Sara Friedman. THE Journal. 2019.
4. Faxriddinov M.F., Drobchenko N.V. The role and content of technology in the education system. Modern views and research – 2021 International scientific and practical Conference ISBN 978-1-83853-487-5.
5. Faxriddinov M.F., Drobchenko N.V. Using the Corel Draw computer program to develop students' creative abilities through drawing. Multidiscipline proceedings of digital fashion conference-2022. ISSN 2466-0744 Republic of Korea, Seoul.
6. Remediana Dias, Technology-Integrated Learning during COVID. Global educational supplies and solutions.
7. Tikhonova O.A. Computer graphics as a tool for the development of creative and intellectual abilities of students on the basis of information technology.
8. Fakhridinov M. Opportunities and prospects for using the Auto cad program in the education system. // Problems of increasing the innovative professional training of future primary school teachers. Collection of scientific articles. - Samarkand: Sam SU, 2019. Pages 152-155.
9. Gubaidullin I.A. The use of information and communication technologies in order to form positive motivation for training on the lesson of fine arts and drawing. <http://www.it-n.ru>.
10. Robert I.V. Modern information technologies in education: didactic problems; prospects of use. – M.: "School-Press", 2008. – 205 p.