POSITIVE AND NEGATIVE CONSEQUENCES OF IMPLEMENTING ARTIFICIAL INTELLIGENCE TECHNOLOGY IN THE ACTIVITIES OF HIGHER EDUCATIONAL INSTITUTIONS

Saidov Umedjon son of Yusuf

Lecturer at Bukhara State University

u.y.saidov@buxdu.uz; saidovumid7744@gmail.com,

Phone: (99893)654-77-44.

Annotation: *While we cannot deny that artificial intelligence (AI) will be a part of our lives in 2024, some of the pros and cons of AI still require consideration and discussion. This article highlights the importance, positive and negative aspects of using artificial intelligence in higher education. The level of use of artificial intelligence in the field of education, achievements and problems arising from the use of artificial intelligence technologies for teachers and students are considered.*

Keywords: *artificial intelligence, AI, chatgpt, chatbot.*

Today, a lot of attention is paid to education in our country. Efforts are being made to create the necessary conditions for young people to acquire modern education and grow up with high spirituality. By the 21st century, science has developed to such an extent that it is impossible to imagine a single day of our life without scientific achievements and technologies. In particular, such concepts as information society and artificial intelligence have become the main part of our life. If we dwell on the concept of artificial intelligence, which is widely used in our society, we must first understand the concept of intelligence. Artificial intelligence usually refers to the development of computer systems that can perform tasks that require human intelligence. These tasks include learning, reasoning, problem solving,

perception, language comprehension, speech recognition, and more. The goal of artificial intelligence is to create machines that imitate the human mind, allowing them to adapt to new situations, learn through experiences, and perform tasks independently [1].

In recent years, extensive reforms have been implemented in all areas of our country. Long-term strategies with clear goals and indicators are adopted and consistently implemented. The "Digital Uzbekistan-2030" strategy approved by the head of our state and the rapid introduction of artificial intelligence technologies and their widespread use in our country are convenient for ensuring access to digital information and its high quality, training qualified personnel in this field. creation of conditions was determined [2]. For this purpose, innovative business based on artificial intelligence technologies actions have been initiated to create a convenient and alternative ecosystem for the development of models, products and service methods, to quickly introduce and implement them in the identified priority sectors and areas. The reason is that artificial intelligence technologies are one of the fastest growing promising areas of digital technologies.

There are two main types of artificial intelligence:

1. Small or weak artificial intelligence: This type of artificial intelligence is developed and trained for a specific task, and its capabilities are limited by a specific field. For example, virtual personal assistants, image and voice recognition programs and chatbots.

2. General or artificial intelligence: This is a more advanced form of artificial intelligence, understanding, learning, processing and applying knowledge in a wide range of tasks similar to the human mind possible Artificial intelligence (AI) is revolutionizing various aspects of the education system, from administrative tasks to personalized learning experiences, to play a significant role in educational management.

If we look at the many advantages of artificial intelligence:

Reduction of human error: One of the greatest achievements of artificial intelligence is that it reduces human error and is considered to be less error-prone. Unlike humans, a computer machine cannot make mistakes if properly programmed. And people because of the waterfall or the usual occasional they make a mistake with Therefore, artificial intelligence uses a certain set of algorithms by collecting previously stored data, reducing the probability of errors and increasing the accuracy of any task. Hence, artificial intelligence can help solve complex problems that require difficult calculations and how to hash without error.

Risk reduction: This is also one of the biggest advantages of artificial intelligence. The technology of developing artificial intelligence-based robots is able to overcome many dangerous situations of humans and can perform tasks that are difficult for humans to do. For example, it can be used in studying and researching dangerous areas, discovering unexplored places in space, performing complex operations, quickly conducting research in any conditions, and in other areas. Thus, he can help in any difficult situation. The debate about artificial intelligence has been going on for almost 50 years. Experts have not yet come to a conclusion. Some worry that mass unemployment could rise as a result of their increasing popularity. Another group of experts say that artificial intelligence should be treated positively. Even among IT billionaires, there are differing views. In particular, the founder of SpaceX, Elon Musk, believes that artificial intelligence can threaten human civilization[2]. According to Musk, artificial intelligence will cause massive labor problems. The reason is that robots can do everything better than us. In the pursuit of cutting-edge technology, companies can lose sight of the dangers posed by artificial intelligence. Also, the head of Microsoft, Bill Gates, touches on its harm: "In a few decades, when robots begin to do most of the work, artificial intelligence will become so powerful that it will eventually start to worry us." [2].

Today, in some countries, the use of robot-nurses, driverless vehicles, and the service of drones delivering orders has been established. Even some tasks of police officers are performed by special robots. Scientists are trying to make their appearance as human as possible. Many may lose their jobs because of this. Unemployment is said to threaten treasurers, postal workers, accountants and bank employees[3]. Artificial intelligence can easily perform their tasks.

Despite all the objections and criticisms, artificial intelligence does not stop developing and helping people. Its importance is increasing, especially in medicine. Now robots are able to perform relatively complex surgical procedures. The unique cooperation of robot-doctors with medical personnel has greatly increased efficiency.

Artificial intelligence is taking its place in the exact sciences, finance, education, design, cooking, entertainment and many other fields. Artificial intelligence will have very low "labor" costs, so we can use it for free or at very low cost. In other words, the widespread adoption of advanced artificial intelligence technologies will improve the quality of life of the world's rapidly growing population, and various services will be improved several times. Most likely, it can bring people closer to the well-being of their lives.

In recent years, modern technologies have fundamentally changed the architecture of the higher education system. The introduction of artificial intelligence technology into the activities of higher education institutions has accelerated these processes. There are many leading higher education institutions of the world

managed to integrate artificial intelligence technology into various areas of its activity. Artificial intelligence technology has become a useful assistant for teachers and students. They started using artificial intelligence technology directly during the lessons. Artificial intelligence reduces the workload of teachers and increases information literacy. of course there are also educators who feel that artificial intelligence has little or no relevance in

the professional development of educators. But in today's global world, many educators recognize the positive role of artificial intelligence in education and advocate its active use. According to statistical surveys conducted around the world, 52.1% of educators say that artificial intelligence will greatly help the professional development of teachers, and 32.3% say that artificial intelligence will increase their workload. believes that 'rtasha relieves [3]. 12.5% of those working in education fully recognize artificial intelligence. In general, only 3.1% of students do not recognize artificial intelligence at all. Demonstration of the use of artificial intelligence in education by teachers. Statistics show that the field of artificial intelligence is taking over and developing on a large scale. Also, a lot of money is spent on the development of artificial intelligence technologies all over the world. Related events such as academic conferences, scientific research and technical competitions in the field of artificial intelligence are spreading rapidly all over the world. Technologies and applications in education are rapidly being updated and expanded. In addition, the continuous development of smart products is bringing great convenience and innovation to people's study, work and life. Robotics research is helping to develop many AI ideas, and some technologies are emerging that can be used to build large models of AI research and describe their evolution. [3] Considering the status and influence of robotics in artificial intelligence, practical content such as robot programming and behavior development should be introduced, which can lead to an increase in students' interest in programming in professional education. At the same time, it provides an opportunity for learners to better understand the ideas and technologies in artificial intelligence. However, at this point, the negative aspects of artificial intelligence technology also began to surface. Cases of bullying among students escalated. The fact that the information provided by artificial intelligence chatbots is not always correct causes students to acquire incorrect knowledge and skills related to the relevant subject or subject [4]. It should also be said that the thinking ability

of students is gradually decreasing. Also, teachers-teachers use artificial intelligence to unilaterally prepare for classes, do not work with additional resources, and directly teach students without analyzing the information provided by artificial intelligence platforms. cases of correct delivery are also increasing. As a result, debates are going on in higher education institutions of the world about the fight against the negative consequences of artificial intelligence technology and the wide use of positive aspects of artificial intelligence [4]. Any innovation, invention or new technology positive and negative aspects will come over time. It cannot be denied. Therefore, I believe that it is necessary not to forget the requirements of standards, to analyze and study any given information when using artificial intelligence technologies.

Artificial intelligence is playing an important role in changing the way students learn and the way teachers teach. We have looked at the positives and negatives of artificial intelligence in education, with human intervention required to balance these aspects. Here the question arises: what important role should the teacher play so that students' use of artificial intelligence in education remains moderate. First of all, a modern teacher should be aware of AI and IT technologies. Curricula should be created in collaboration between the teacher and the AI. AI systems will help with teaching, assessment, and real-time feedback, while teachers will be more in-depth with guidance, explanations, and materials. provide mutual communication[5]. The role of teachers as motivators, coaches and people who provide the necessary support when necessary is crucial for students' learning. Artificial intelligence cannot reproduce human emotional skills. Therefore, teachers should constantly develop creativity and critical thinking skills. The world is developing at a very fast pace, and we need to understand that the power of artificial intelligence will do more good than harm. That's why we need to use AI not only in education, but in many areas of our lives. In order to provide the best education for students and create a good image

for them, we should learn to use artificial intelligence in moderation, without relying on it. No artificial intelligence can express the teacher's feelings and love for his students.

In short, the emergence of artificial intelligence has opened up a new way of development in education. Today, artificial intelligence has become an integral part of our life. But some of its shortcomings are also noticeable. For example, as the development of artificial intelligence accelerates, the mental and professional activities of people are gradually decreasing. In particular, it has a significant impact on the activities of health care, education, advocacy, operator work, and customer service. However, today AI is supporting existing humans in many fields, including sales, legal and medical fields, and problem solving, service industries, legal services and manufacturing. AI is the future technology is expected to be [6]. This means that there may be many positive and negative aspects that we did not expect. Thus, it is up to us to carefully guide the integration of AI into education and take advantage of its advantages while mitigating any potential drawbacks.

List of used literature:

1.   R. Liu, B. Yang, E. Zio, and X. Chen, "Artificial intelligence for fault diagnosis of rotating machinery: a review," Mechanical Systems & Signal Processing, vol. 108, no. AUG., pp. 33–47, 2018

2.   U.Y.Saidov, G.Zaripova "Use Of New Pedagogical Technologies In Teaching Information And Communication Technologies In The Secondary School Educational System" Vol. 50 No. 1 (2024): https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=_KbQ2GkAAAAJ&citation_for_view=_KbQ2GkAAAAJ:qjMakFHDy7sC

3.   U.Y.Saidov, G.Zaripova "Использование Системы Зарубежного Образования В Развитии Профессиональных Навыков В Системе Повышения Квалификации Персонала" Vol. 18 No. 2 (2024): ЛУЧШИЕ ИНТЕЛЛЕКТУАЛЬНЫЕ   ИССЛЕДОВАНИЯ https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=

_KbQ2GkAAAAJ&citation_for_view=_KbQ2GkAAAAJ:2osOgNQ5qME
C

4.   A. Harry, "Role of AI in Education," Interdiciplinary J. Hummanity Inj., vol. 2, no. 3, pp. 260–268, Mar. 2023, doi: 10.58631/injurity.v2i3.52.