

THE IMPACT OF ARTIFICIAL INTELLIGENCE ON OUR LIVES AND ITS ROLE IN EDUCATION.

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Annotation: This paper delves into how artificial intelligence (AI) is shaping everyday life and gaining importance in the education sector. As modern technologies continue to evolve rapidly, AI is being applied more widely across various areas of daily activity. In education, AI tools are driving major changes by supporting personalized learning approaches, enhancing productivity, and promoting interactive teaching strategies. The article highlights the advantages, possibilities, and potential challenges of using AI in educational settings, while also considering its long-term implications. The content is valuable for both education and technology professionals, as well as a general audience interested in the topic.

Keywords: Artificial Intelligence, Education, Personalized Learning, Technology in Education, AI in Daily Life, Digital Transformation, Smart Learning, AI Challenges.

SUN'YI INTELLEKTNING HAYOTIMIZGA TA'SIRI VA TA'LIMDAGI O'RNI.

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Annotatsiya: Ushbu maqola sun'iy intellekt (SI) kundalik hayotni qanday o'zgartirayotgani va ta'lim sohasida qanday ahamiyat kasb etayotganini yoritadi. Zamonaviy texnologiyalar tez sur'atlarda rivojlanar ekan, SI turli sohalarda, jumladan kundalik faoliyatda keng qo'llanilmoqda. Ta'lim sohasida esa SI vositalari shaxsiylashtirilgan o'qitish uslublarini qo'llab-quvvatlab, samaradorlikni oshirib, interaktiv o'qitish strategiyalarini ilgari surish orqali katta o'zgarishlarga sabab bo'lmoqda. Maqolada SI'ning ta'limdagi afzalliklari, imkoniyatlari va mumkin bo'lgan muammolari haqida so'z yuritiladi hamda uning uzoq muddatli oqibatlari ham ko'rib chiqiladi. Mazkur kontent nafaqat ta'lim va texnologiya sohasi mutaxassislari, balki ushbu mavzuga qiziqqan keng jamoatchilik uchun ham foydalidir.

Kalit so'zlar: Sun'iy intellect, Ta'lim, Shaxsga moslashtirilgan o'qitish, Ta'limda texnologiya, Kundalik hayotda sun'iy intellect, Raqamli transformatsiya, Aqlli o'qitish, Sun'iy intellekt bilan bog'liq muammolar.

ВЛИЯНИЕ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА НА НАШУ ЖИЗНЬ И ЕГО РОЛЬ В ОБРАЗОВАНИИ.

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Абстракция. Данная статья посвящена тому, как искусственный интеллект (ИИ) влияет на повседневную жизнь и приобретает всё большее значение в сфере образования. По мере стремительного развития современных

технологий ИИ всё шире применяется в различных областях повседневной деятельности. В образовании ИИ-инструменты способствуют значительным изменениям, поддерживая персонализированный подход к обучению, повышая продуктивность и способствуя развитию интерактивных методов преподавания. В статье освещаются преимущества, возможности и потенциальные вызовы использования ИИ в образовательной среде, а также рассматриваются его долгосрочные последствия. Материал будет полезен как специалистам в области образования и технологий, так и широкой аудитории, интересующейся данной темой.

Ключевые слова: Искусственный интеллект, Образование, Персонализированное обучение, Технологии в образовании, Искусственный интеллект в повседневной жизни, Цифровая трансформация, Умное образование, Проблемы, связанные с искусственным интеллектом.

YAPAY ZEKANIN HAYATIMIZ ÜZERİNDEKİ ETKİSİ VE EĞİTİMDEKİ ROLÜ.

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Açıklama: Bu makale, yapay zekanın (YZ) günlük yaşamı nasıl şekillendirdiğini ve eğitim sektöründe nasıl önem kazandığını inceliyor. Modern teknolojiler hızla gelişmeye devam ederken, YZ, çeşitli günlük aktivitelerde daha geniş bir şekilde uygulanmaktadır. Eğitimde, YZ araçları kişiselleştirilmiş öğrenme yaklaşımlarını destekleyerek, verimliliği artırarak ve etkileşimli öğretim stratejilerini teşvik ederek büyük değişikliklere yol açmaktadır. Makale, eğitim ortamlarında YZ kullanımının avantajlarını, olasılıklarını ve potansiyel zorluklarını vurgularken, aynı zamanda uzun

vadeli etkilerini de göz önünde bulunduruyor. İçerik, hem eğitim ve teknoloji profesyonelleri hem de konuyla ilgilenen genel bir izleyici kitlesi için değerli olacaktır.

Anahtar Kelimeler: Yapay zeka, Eğitim, Kişiyi özel eğitim, Eğitimde teknoloji, Günlük hayatta yapay zeka, Dijital dönüşüm, Akıllı eğitim, Yapay zeka ile ilgili sorunlar.

The development of modern technologies, especially significant achievements in the field of artificial intelligence (AI), is capturing the attention of the entire world today. What was once only found in works of science fiction—artificial consciousness and intelligent machines—has now become an integral part of our real lives. Every day, often without realizing it, we use artificial intelligence technologies: for instance, during internet searches, in music or video recommendation systems, and even through simple phone applications that are powered by algorithms based on artificial intelligence. In this regard, AI is a technology that fundamentally changes human lifestyles, opens new possibilities, and at the same time raises certain concerns.

The impact of artificial intelligence on our lives is not limited to everyday needs. It is actively used in various fields ranging from healthcare to economics, and from industry to mass media. However, one of the most prominent and crucial areas for the future where this technology plays a significant role is education. The needs of today's students are changing, and traditional teaching methods can no longer fully meet these needs. In this process, educational platforms built on artificial intelligence, smart applications, language learning programs, testing evaluation systems, and personalized learning materials are becoming increasingly important.

Nevertheless, the widespread adoption of artificial intelligence and its integration into our lives raises certain questions: Will machines take over human roles? Will students forget how to think independently? How necessary will teachers remain? Therefore, it has become a pressing task to deeply explore the capabilities of artificial intelligence and analyze both its potential benefits and risks.

This article will examine in detail how artificial intelligence technology is impacting our modern lives, particularly in the field of education, as well as what advantages and dangers it may bring. The aim is to correctly understand AI and identify opportunities for its beneficial and reasonable use.

Artificial intelligence (AI) is increasingly entering our lives, and its role in the education system has undergone dramatic changes in recent years. Opportunities have emerged to teach students according to their individual needs. Organizing personalized education with the help of AI helps to fully develop students' abilities. For example, platforms powered by AI, such as Khan Academy or Coursera, provide students with timely and appropriate materials. These systems help to identify students' strengths and weaknesses, creating the opportunity to teach them in the most effective way. In addition, new educational platforms created through AI provide students with interactive learning opportunities, which significantly improves the quality of education. Another major achievement that AI will bring to the field of education is to support teachers and educational institutions. AI systems help teachers prepare customized materials taking into account the individual needs of students. In other words, AI frees teachers from doing disruptive or repetitive tasks, so they can spend more time teaching and monitoring students' personal development. This helps teachers become more effective and elevate the learning process to a higher level. [1, p. 112-128].

The possibilities and advantages of artificial intelligence in education. The use of artificial intelligence in the education system undoubtedly creates great opportunities. First of all, with the help of AI, personalized education can be implemented. Students can study individually, depending on their abilities, which makes it possible to conduct lessons in accordance with the specific needs of each student. Artificial intelligence systems can quickly determine the level of mastery of students and provide them with specially adapted materials. This increases the efficiency of education and helps students pay greater attention to the learning process.

In addition, AI creates interactive learning opportunities for students. For example, video lessons, simulations, the ability for students to independently check their own performance, etc. This is especially important in distance education. AI technologies allow for a global update of education systems and give each student the opportunity to receive education from anywhere in the world. [2, p. 63-75]. SI systems in online courses and learning platforms personalize and enhance students' learning process, providing them with lessons that are always timely and tailored to them.

Another advantage of artificial intelligence in the education system is the development of students' independent thinking and creative abilities. Students will be able to understand complex topics with the help of artificial intelligence. With the help of deep learning technologies, for example, it is possible to use interactive and interesting methods in teaching mathematics or science, which will help students understand complex topics more easily. [3, p. 45-67].

Problems and risks of artificial intelligence in education. However, the use of artificial intelligence in the education system can also cause a number of problems. First of all, some experts argue that the excessive use of artificial intelligence can reduce the role of teachers and human contact with students. Machines and robots can take over a significant part of the educational process, reduce personal communication between teachers, which is likely to have a negative impact on student development.

Also, the use of artificial intelligence in the education system can reduce students' creative and innovative abilities. Students may rely more on automatic systems and face difficulties in thinking differently and solving problems. Therefore, it is necessary to be careful when using artificial intelligence in education.

In addition, the issues of security and privacy of artificial intelligence systems will also become relevant. There are risks such as the collection and storage of personal data about students, and the dissemination of information on the Internet. Educational systems should try to minimize such risks when using AI technologies.[4,p.112-128]

Artificial intelligence and the education system in the future. In the future, artificial intelligence is expected to enter the education system more widely. With the

help of artificial intelligence, student interactions will become more interactive and effective. Students will be provided with new curricula, personalized teaching methods created using artificial intelligence systems. This will help improve the quality of education on a global scale. The opportunity for students to receive education according to their abilities will make their learning process more effective.[5,p.80-94]

Moreover, the widespread use of artificial intelligence in education will help ensure equality in education. It will be possible to create equal opportunities for students, regardless of their place of residence, and to adapt education to each individual. This will increase the quality, fairness, and efficiency of the education system. In the future, the interaction between artificial intelligence and the education system will further strengthen, creating new opportunities to make the educational process more effective. These innovations will play an important role in updating the education system, creating high-quality education for students, and eliminating injustice in education.

The role of artificial intelligence in automating the assessment process.

Assessment in the education system is one of the important tools for identifying students' knowledge, indicating their shortcomings and determining their development direction. Traditional assessment methods, in particular, checking written work, analyzing tests or evaluating a student's oral response, require a lot of time and effort. In this regard, the application of artificial intelligence technologies in this area offers great opportunities.

First of all, tests and written work are automatically assessed using artificial intelligence. For example, various platforms (for example, Grammarly, Turnitin, Google Classroom AI-integration) have the ability to analyze text grammatically, determine logical consistency and even evaluate creative approaches. These systems help teachers analyze written work in a matter of minutes, which saves time. This is especially important for large classes or massive online courses (MOOCs). [Xudayberdiyev, 2024: 832–834]

In addition, artificial intelligence systems provide objectivity in assessment. Subjective approaches or errors caused by the human factor are reduced. AI systems analyze student work based on the same criteria, which leads to a fair assessment. In particular, when assessing oral speech, pronunciation, intonation and grammatical correctness are determined based on sound analysis, which provides an additional guarantee of the teacher's impartiality. [Mengturayev & Xaydarov, 2023: 99–101]

Systems developed on the basis of AI also allow students to self-assess. They can immediately review the results after completing the task, analyze their mistakes and work on themselves through repeated exercises. This develops the student's independent learning and self-assessment skills. Hence the introduction of artificial intelligence into the assessment process increases the quality of the education system, increases its efficiency and takes the relationship between the teacher and the student to a new level. The ability to properly manage this process determines the success of future education. [Isxakov, 2024: 88–89]

Conclusion

In conclusion, artificial intelligence significantly improves the quality of education with new capabilities introduced into the education system. Through personalized learning systems, students have the opportunity to study according to their abilities, which contributes to their effective development. With the help of AI, teachers can devote more time to personal development. However, excessive use of AI can reduce human contact with teachers and limit creativity. Security and privacy issues are also urgent issues. In the future, AI will be able to improve the quality of education on a global scale and ensure equality in education. However, it is necessary to take into account the negative aspects of these technologies and use them carefully

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