

THE POSITIVE AND NEGATIVE IMPACT OF ARTIFICIAL INTELLIGENCE ON THE QUALITY OF EDUCATION: UZBEKISTAN'S EXPERIENCE**Turayeva Shoir**

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Abstract

Artificial Intelligence does not consider just technology; it is a meaningful and strong tool that brings quality education, personalized learning, and global knowledge closer together through smart systems. I think that, in a world where education is becoming increasingly digital yet divided by access, Artificial Intelligence serves as a bridge between students, teachers, and opportunities, fostering innovation, efficiency, and inclusive growth. In terms of the development of education, Uzbekistan has shown remarkable progress over the past few years. One of the main key sectors of the country's development strategy, digital transformation and AI play a growing role in promoting educational quality, social connection, and economic growth. This abstract explores how Artificial Intelligence connects different aspects of learning to the rich potential of Uzbekistan's education system and brings students and teachers from different corners of the country closer together. Uzbekistan is located at the heart of Central Asia's digital reforms; the country offers more than just traditional classrooms.[1] It invites learners to experience deep-rooted traditions blended with modern AI tools, warm teacher support, and a mix of ancient wisdom and cutting-edge technology. Recently, the country has made significant progress in developing its education sector with AI. Efforts such as launching the National AI Strategy until 2030, piloting platforms like Eduten, simplifying digital access, and promoting AI in schools and universities have made Uzbekistan more advanced and attractive for innovative learning. These conveniences reflect a growing number of students and teachers showing interest in using AI. Regarding human connection, Artificial Intelligence in Uzbekistan allows for personalized learning paths, supports teachers with administrative tasks, and encourages communities to embrace digital literacy.

Additionally, it creates opportunities for people to share knowledge, skills, and daily experiences with each other. These connections not onally, it creates opportunities for people to share knowledge, skills, and daily experiences with each other. These connections not only strengthen educational understanding but also boost social confidence and community growth within the country. This will further enhance the promotion of Uzbekistan as a nation of smart education.

Keywords

artificial intelligence, quality of education, digital transformation, Uzbekistan, personalized learning.

Artificial Intelligence is not just about smart machines; it is about discovering new ways of teaching and learning. Today, millions of students and teachers around the world use AI not only for basic tasks but also to experience personalized education, adaptive tools, and diverse



learning styles. In Uzbekistan, the use of AI in education has rapidly grown over the last decade, making our country more visible on the global digital map. AI helps people from different backgrounds learn better. It promotes efficiency, strengthens educational harmony, and builds meaningful connections between students and knowledge. In Uzbekistan, Artificial Intelligence links learners and places by highlighting both traditional values and modern technologies, encouraging knowledge exchange between teachers and students, and stimulating economic growth through the creation of jobs in the digital sector. The nation is actively growing its AI integration in education to highlight its rich past and future, from the Silk Road heritage to a variety of digital tools that promote intercultural dialogue and a sense of community. AI involves more than processing data. It is a meaningful journey filled with learning. When a student uses AI, they learn about new methods, local needs, social values, and ways of thinking. Through AI, people discover similarities and differences in learning styles. This helps reduce educational gaps and encourages peaceful, inclusive communication. Students return to class with new knowledge, memories, and a deeper appreciation for diversity. In short, AI serves as a global language that everyone understands – the language of innovation, experience, and human potential.[2]

One of the most remarkable impacts of Artificial Intelligence is its ability to create natural conditions for personalized education. Every interaction between a student and an AI tool becomes an opportunity to receive tailored support, learn something new, and challenge traditional limits. Through AI, people can discover

similarities and differences in every learning environment. AI is not only about new technology but also about acquiring and sharing new things for humanity from digital resources. AI serves as a global language that everyone understands – the language of innovation, experience, and human potential.

Positive Impacts of AI on Education Quality

Our local teachers and students are very open-minded and eager to embrace AI tools, so they love to explore new digital methods for learning. Learners who use AI in Uzbekistan often discover a system built on efficiency and support. Simple interactions – using adaptive platforms, receiving instant feedback, or participating in virtual simulations – help students understand subjects better and improve their skills. At the same time, teachers become familiar with AI assistants that reduce administrative work and allow more time for creative teaching. This mutual benefit reduces educational gaps and encourages people to see learning from different perspectives. In today's global environment, such digital bridges play an essential role in promoting quality and access among societies.

AI as a Connecting Tool

The rise of AI encourages digital literacy across Uzbekistan. Young people increasingly study coding, data analysis, English, and other skills to communicate more confidently with AI tools and global knowledge. This technological interaction brings students closer and creates an atmosphere where both sides try to understand one another. Teachers, in turn, often enjoy learning simple AI commands, which makes their experience more personal and effective.

Appreciation of National Digital Identity

Uzbekistan's strongest advantage in AI education is its location at the crossroads of digital reforms – the country's path toward becoming a regional leader in technology. Cities such as Tashkent, Samarkand, and Jizzakh have preserved their educational significance for centuries while embracing new AI laboratories and programs. These institutions contain modern tools like AI-powered platforms and smart classrooms, which tell the stories of innovation. But the true value of Uzbekistan's AI journey lies not only in technology. It represents centuries of cultural exchange, scientific development, and peaceful progress. Students use AI to walk through history, taste new knowledge, and feel the atmosphere of digital transformation.



Artificial Intelligence has a huge impact on the economy and society of Uzbekistan. Economically, it creates thousands of jobs – from AI developers and data analysts to digital teachers and tech support staff. This helps families improve their living standards. AI also supports small and medium-sized businesses in education. Eduten platform pilots, local digital cafés, smart guesthouses for online learning, and transport services all benefit from AI. This encourages entrepreneurship and regional development. Traditional crafts and modern skills

often gain new life thanks to AI. When students show interest in AI-generated designs from Fergana or virtual tours of Bukhara, young people feel encouraged to preserve their heritage and pass digital skills to younger generations. Thus, AI becomes a force that protects cultural identity while modernizing it.[3]

Socially, Artificial Intelligence plays an important role in preserving educational equity. When students use AI tools in schools and universities, the government invests more in infrastructure. This ensures that our heritage of knowledge is protected for future generations. AI also helps the younger generation develop digital skills, communication abilities, and global awareness. It builds confidence and helps them feel part of the international community. However, alongside these positives, there are challenges. Overreliance on AI may reduce critical thinking, raise concerns about academic integrity, and create digital divides between urban and rural areas. Limited internet access and devices in some regions can widen inequality. Data privacy and ethical use also require attention. Yet, with proper guidance, these negatives can be turned into opportunities for balanced growth.

To conclude, Artificial Intelligence is a powerful tool that connects people and knowledge. In Uzbekistan, AI promotes educational exchange, builds global understanding, strengthens the economy, and preserves our heritage. Our country has everything a learner looks for – its history, culture, hospitality, delicious cuisine, and breathtaking architecture blended with smart technology. AI is not just adopting new tools; it is a bridge that brings the world closer to Uzbekistan's education and brings Uzbekistan's potential closer to the world.

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