

LEGAL REGULATION OF THE USE OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES IN THE STATE CIVIL SERVICE: PROBLEMS AND PROSPECTS

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Abstract

This article analyzes the legal framework for the implementation of artificial intelligence (AI) technologies in public administration and civil service, the legal framework of the Republic of Uzbekistan, the ethical principles of AI use, and international experience. It examines issues of reducing the human factor, improving decision-making efficiency, and legal liability.

Keywords

Artificial intelligence, public civil service, legal regulation, digitalization, data protection, decision-making, liability.

Introduction

In today's world, the modernization of public administration is closely linked to the implementation of digital technologies, particularly artificial intelligence. The use of AI in public administration allows for the acceleration of administrative processes, reduction of bureaucracy, and improvement of decision-making. However, determining the legal status of these technologies, compliance with ethical standards, and ensuring data security present complex legal challenges.

Digital technologies enable the digital transformation of the entire economy and society based on the storage and transmission of information in digital format. One of the most pressing issues in the era of the development of such technologies is the legal regulation of artificial intelligence. According to forecasts by the McKinsey Global Institute, by 2030, artificial intelligence could generate an additional economic impact of approximately \$13 trillion, achieved through an annual increase in global GDP of approximately 1.2 percent [1]. Today, artificial intelligence has become widespread, encompassing virtually every aspect of our daily lives. Today, we see robot nurses, driverless cars, and delivery drones already in use in some countries. We see that these technologies will lead to unemployment in the future.

Legal Framework in Uzbekistan

The implementation of artificial intelligence technologies in public administration in Uzbekistan is in an active phase. The following are key regulatory documents:

- Resolution of the President of the Republic of Uzbekistan No. PK-4996 of February 17, 2021 – the initial legal basis for creating the conditions for the implementation of artificial intelligence technologies
- Strategy for the Development of Artificial Intelligence Technologies until 2030 (No. PK-358 of October 14, 2024) – aimed at increasing the share of AI in public services
- Law No. ZRU-1115 "On Amendments and Additions to Legislative Acts Related to the Use of Artificial Intelligence...", which entered into force on January 21, 2026 – the first direct law regulating the legal definition of AI and liability issues

Legal Aspects of the Use of AI in Public Administration

1. Human Participation in Decision-Making: New Legislation According to the law, decisions with legal significance and affecting human rights and freedoms cannot be made solely based on AI findings. In this case, human participation as the final decision maker is mandatory.



2. **Data Security:** Government agencies must ensure the protection of personal data when using large volumes of data (Big Data) to train AI systems. Unlawful use of AI and dissemination of personal data will result in administrative liability.

3. **Transparency and Ethics:** AI decision-making algorithms must be understandable (explainable AI). From 2025, uniform ethical standards (code of ethics) will be introduced for the development and use of AI.

Problems and Solutions

- **Liability:** If an AI makes an incorrect decision, who is responsible—the programmer or the employee using the system? This issue needs to be clarified in legislation.

- **Information Security:** High risk of cyberattacks on government databases.

- **Lack of qualified personnel:** It is necessary to improve the qualifications of lawyers and IT specialists in the field of law related to artificial intelligence.

Conclusion

Legal regulation of the use of artificial intelligence in public administration represents a balance between innovation and security. Laws and strategies adopted by Uzbekistan facilitate the effective implementation of AI in public administration. In the future, the positive impact of artificial intelligence on public administration can be maximized by improving the legal framework, prioritizing human rights, and strictly applying ethical principles.

We are currently living in a period of very rapid development. During this period, the importance of artificial intelligence is growing. Data and algorithms generated by artificial intelligence can lead to expanded legal regulation. These data and algorithms carry the risk of events that could harm humans (e.g., discrimination, political manipulation). Furthermore, there are issues regarding how decisions made by artificial intelligence impact humans and how they should play their role in legal regulation. The issues of how automatic recognition systems and the actions and decisions generated by artificial intelligence impact humans and how they should play a role in legal regulation can be widely studied. Experts and policymakers in the fields of law, politics, and technology are exploring a variety of approaches and methods to address these challenges. Research and policy development that expand the scope of legal regulation in the field of artificial intelligence are essential to addressing these issues. Advances in artificial intelligence create numerous opportunities and help us save time and improve the efficiency and accuracy of our work. Furthermore, it is necessary to implement large-scale innovations in the AI computing service bases used in schools, colleges, institutes, and universities, as well as in various organizations.

References:

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