



## Philosophical Model For The Development Of Artificial Intelligence In Uzbek Society Based On National Identity

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### ABSTRACT

The rapid development of artificial intelligence (AI) has become one of the most significant civilizational transformations of the twenty-first century. While most discussions focus on technological and economic aspects, the philosophical foundations of AI development remain insufficiently explored, particularly in societies with strong cultural and historical traditions. This article proposes a philosophical model for the development of artificial intelligence in Uzbek society based on national identity, cultural continuity, and human-centered values. The study argues that AI should not be viewed solely as a technological instrument but as a sociocultural phenomenon whose implementation must correspond to the spiritual, ethical, and civilizational characteristics of society. The proposed model integrates traditional Uzbek values with contemporary technological innovation and offers a conceptual framework for the harmonization of digital modernization and national identity.

### ARTICLE INFO

**Received:** 24<sup>th</sup> March 2026

**Accepted:** 20<sup>th</sup> April, 2026

### KEY WORDS:

artificial intelligence, national identity, Uzbek society, philosophy of technology, digital transformation, ethics, cultural values, human-centered development

The emergence of artificial intelligence has fundamentally altered the relationship between humanity and technology. AI systems increasingly influence decision-making processes in economics, politics, education, healthcare, and social communication. As societies become more dependent on intelligent technologies, questions regarding their philosophical foundations become increasingly important.

In many countries, AI development is primarily guided by economic efficiency and technological competitiveness. Such an approach often overlooks cultural and ethical dimensions that determine how technologies interact with human values and social institutions. Consequently, the challenge is not merely technological adaptation but the creation of a culturally appropriate model of AI development.

For Uzbekistan, this challenge possesses particular significance. The country is actively pursuing digital modernization while simultaneously strengthening national consciousness, historical memory, and cultural traditions. Therefore, the development of AI requires a philosophical framework capable of reconciling innovation with national identity.

The concept of national identity encompasses historical experience, language, customs, moral values, collective memory, and cultural symbols that shape social consciousness. In the context of technological transformation, national identity serves not as a barrier to modernization but as a source of normative guidance.

The purpose of this article is to formulate a philosophical model for the development of artificial intelligence in Uzbek society that incorporates national identity as a fundamental principle of technological progress.

Artificial intelligence is often understood as a technological system capable of performing cognitive functions traditionally associated with human intelligence. However, from a philosophical perspective, AI

represents more than a technical innovation; it constitutes a new stage in the evolution of human interaction with knowledge and reality.

The philosophy of technology regards technological artifacts as expressions of human intentions, values, and worldviews. Every technology reflects particular assumptions about human nature, society, and progress. Therefore, AI inevitably embodies specific cultural and ethical orientations.

Unlike previous technologies that primarily extended physical capabilities, AI extends cognitive functions. This characteristic raises fundamental questions concerning autonomy, responsibility, rationality, and the nature of human intelligence itself.

The development of AI also challenges traditional anthropocentric assumptions. As intelligent systems become more sophisticated, societies must redefine the boundaries between human agency and machine autonomy. Such discussions require philosophical reflection beyond technical considerations.

Consequently, AI development cannot be separated from cultural and ethical contexts. Each society must formulate its own philosophical approach to integrating intelligent technologies into social life.

National identity represents a collective understanding of cultural belonging and historical continuity. It shapes social norms, moral expectations, and collective aspirations. In the era of globalization, national identity becomes an essential factor in preserving cultural diversity.

Uzbek national identity has been formed through centuries of historical development influenced by Eastern philosophy, Islamic civilization, Turkic traditions, and local cultural practices. These traditions emphasize moral responsibility, respect for knowledge, social solidarity, and the dignity of human beings.

The historical heritage of thinkers such as Abu Nasr al-Farabi, Abu Rayhan al-Biruni, and Alisher Navoi demonstrates the importance of harmonizing scientific advancement with ethical and spiritual development.

National identity should therefore function as a normative framework guiding technological innovation. Technologies must contribute to cultural preservation, social cohesion, and human flourishing rather than merely increasing efficiency.

In this context, AI development should be evaluated not only according to technical performance but also according to its compatibility with societal values and cultural traditions.

The philosophical core of the proposed model is the principle of human-centered development. Human beings must remain the ultimate beneficiaries and moral subjects of technological progress.

Human-centered AI rejects technological determinism, which assumes that technological advancement automatically produces social progress. Instead, it emphasizes conscious governance and ethical responsibility.

Within Uzbek society, the concept of human-centered development corresponds closely with traditional understandings of human dignity, social responsibility, and communal solidarity. These values provide a moral foundation for AI governance.

AI systems should therefore be designed to enhance human capabilities rather than replace human agency. Educational technologies should support intellectual development; healthcare systems should improve access to medical services; and public administration should strengthen citizen participation.

Such an approach ensures that technological modernization remains aligned with societal interests and ethical principles.

The proposed philosophical model consists of four interconnected dimensions: cultural continuity, ethical regulation, social inclusiveness, and innovative development.

The first dimension, cultural continuity, requires AI systems to support the preservation and transmission of national language, historical memory, and cultural heritage. Digital technologies should contribute to the revitalization of cultural resources and traditional knowledge.

The second dimension, ethical regulation, emphasizes the necessity of moral principles governing AI design and implementation. Transparency, accountability, fairness, and respect for human dignity should serve as fundamental ethical standards.

The third dimension, social inclusiveness, seeks to ensure equal access to technological opportunities. AI should reduce social inequalities rather than deepen existing divisions between different social groups.

The fourth dimension, innovative development, recognizes the importance of scientific creativity and technological competitiveness. National identity should not restrict innovation but provide meaningful direction for technological progress.

Together, these dimensions form a holistic framework capable of integrating technological modernization with cultural and ethical sustainability.

Education occupies a central position within the proposed model. The successful integration of AI into society depends largely on the development of digital literacy and critical thinking skills.

Educational institutions should promote not only technical competencies but also philosophical understanding of technological change. Students must be prepared to evaluate the ethical and social consequences of AI applications.

Particular attention should be given to the development of AI systems capable of operating effectively in the Uzbek language. Linguistic technologies can contribute significantly to the preservation and dissemination of national culture.

Digital archives, intelligent translation systems, and AI-assisted cultural platforms may facilitate broader access to historical and literary heritage. Such initiatives would strengthen cultural identity while supporting technological modernization.

Therefore, education and culture should serve as strategic domains for implementing a nationally grounded AI philosophy.

Despite its potential benefits, AI development presents significant ethical challenges. Issues related to privacy, surveillance, algorithmic bias, and technological dependency require careful consideration.

A philosophical model based on national identity provides normative criteria for addressing these challenges. Ethical decision-making should reflect both universal human values and culturally specific moral traditions.

The future of AI in Uzbekistan should therefore be guided by a balance between global technological integration and local cultural authenticity. Neither technological isolation nor uncritical adoption of external models can ensure sustainable development.

Instead, Uzbekistan has the opportunity to formulate an original civilizational approach to AI governance that combines innovation, ethics, and cultural continuity.

Such an approach may contribute not only to national development but also to broader international discussions concerning culturally grounded models of technological modernization.

Artificial intelligence represents one of the defining technological phenomena of the contemporary era. However, its successful integration into society depends not only on technical capabilities but also on philosophical foundations that determine its social purpose and ethical direction.

The proposed philosophical model for the development of artificial intelligence in Uzbek society is based on the principle that technological modernization should be harmonized with national identity. Cultural continuity, ethical responsibility, social inclusiveness, and innovative development constitute the fundamental pillars of this framework.

By integrating historical traditions, human-centered values, and contemporary technological innovation, Uzbekistan can develop a distinctive approach to AI that preserves cultural authenticity while participating actively in global digital transformation.

Ultimately, the future of artificial intelligence in Uzbek society should not be defined solely by what machines can do, but by how technological progress contributes to human dignity, cultural preservation, and the realization of a just and sustainable social order.

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