Unofficial translation

RESOLUTION
OF THE PRESIDENT OF THE REPUBLIC OF UZBEKISTAN

ON THE APPROVAL OF THE STRATEGY FOR THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES UNTIL 2030

In order to create favorable conditions for the implementation of artificial intelligence technologies in the social sector and economic branches, to ensure that our country joins the ranks of the world's leading countries utilizing artificial intelligence technologies, as well as to achieve the goals and objectives set in the "Digital Uzbekistan — 2030" strategy:

1. The Strategy for the Development of Artificial Intelligence Technologies until 2030 (hereinafter referred to as the "Strategy"), which includes the following provisions, shall be approved in accordance with Appendix 1:

a) The target indicators to be achieved for the development of artificial intelligence technologies until 2030, including:

to reach the volume of software products and services created based on artificial intelligence to 1.5 billion US dollars;

to increase the share of services based on artificial intelligence provided through the Unified Interactive Public Services Portal to 10 percent;

to increase the number of research laboratories working in the field of artificial intelligence to 10 and to launch high-performance computing servers;

to ensure that the Republic of Uzbekistan ranks among the top 50 countries in the Government AI Readiness Index;

b) The priority goals and objectives for the development of artificial intelligence technologies:

to establish a regulatory and legal framework for the development of artificial intelligence technologies, improve standards in the field, and strengthen international cooperation ties;

to create the technical infrastructure for data processing and the implementation of artificial intelligence-based projects, and to carry out priority projects in this field within the social sector and economic industries;

to enhance the knowledge and skills of the population in the use of artificial intelligence technologies and to develop human resource potential.

2. Within the framework of implementing the Strategy, the following shall be approved:

The Action Plan for the Implementation of the Strategy for the Development of Artificial Intelligence Technologies for 2024 — 2026, in accordance with Appendix 2;

The list of "big data" to be formed in the social sector and economic industries, in accordance with Appendix 3.

3. The following are established as priority areas for the introduction of artificial intelligence technologies:

In the banking and financial sector — preventing fraud, assessing users' creditworthiness, forecasting market trends;

In the tax and customs sectors — reducing the share of the shadow economy, forecasting suspicious customs operations, and managing risks;

In the healthcare sector — diagnosing diseases, determining treatment methods, analyzing medical images, and managing patient-related data;

In the agriculture sector — forecasting productivity, managing agricultural resources, monitoring the processes of growing crops, poultry, fish, and livestock;

In the energy sector — managing energy resources, optimizing energy production and distribution, developing the use of renewable energy sources and forecasting demand for them.

4. The Reconstruction and Development Fund shall ensure the allocation of an interest-free loan in the amount of 50 million US dollars to the Ministry of Digital Technologies for a period of 5 years, starting from January 1, 2025, for the development of artificial intelligence technologies.

In this regard, it shall be stipulated that the loan will be repaid using funds from the Digital Technologies Development Fund, as well as other sources not prohibited by legal regulations.

5. In order to create the "Big Data" database, ministries and agencies shall, in compliance with the legal requirements on personal data (including anonymization of data where applicable), ensure the provision of the relevant data to the Ministry of Digital Technologies by May 1, 2025, in accordance with Appendix 3 of this resolution.

The Ministry of Digital Technologies shall:

By December 1, 2024, submit the list of priority projects for the implementation of artificial intelligence technologies, prepared based on proposals from ministries and agencies, for review and approval by the Coordination Commission for the Implementation of the "Digital Uzbekistan — 2030" Strategy;

By September 1, 2025, create the "Big Data" database in accordance with legal requirements and after taking all necessary information security measures to provide the necessary data for projects and scientific-practical research;

By May 1, 2026, launch the computing capacities intended for data processing within the framework of projects for the implementation of artificial intelligence technologies.

6. The Coordination Commission for the Implementation of the “Digital Uzbekistan — 2030” Strategy (A. Aripov) shall:

Ensure the development of procedures for evaluating the social and economic effectiveness of the projects for the implementation of artificial intelligence technologies, which are funded in accordance with Clause 4 of this resolution, as well as ensure that these projects are carried out transparently and based on the principles of competition;

Regularly review, during Commission meetings, the full, timely, and high-quality implementation of the priority projects for the introduction of artificial intelligence technologies;

As necessary, introduce amendments and additions to the list of priority projects for the implementation of artificial intelligence technologies (based on discussions), as well as to the list of data to be generated in the “Big Data” database.

7. The “Center for the Development of Artificial Intelligence and the Digital Economy” (hereinafter referred to as the “Center”) shall be established based on the state institution "Center for Digital Economy Research" under the structure of the Ministry of Digital Technologies.

In this regard:

Executive government bodies of the republic, local state authorities, and state-owned enterprises shall, upon the Center’s request, provide access to information systems and databases for the use of necessary data for the development of artificial intelligence (excluding data protected by legal regulations), ensuring unhindered access.

Information systems and software created based on artificial intelligence technologies, as well as those utilizing such technologies, shall undergo expert evaluation by the Center.

8. The following shall be designated as additional sources of funding for the activities of the Center:

Funds from the Digital Technologies Development Fund;

Income generated from services provided and projects implemented under business contracts;

Revenue from selling the Center’s shares in startup projects on a contractual basis in exchange for providing the necessary technical infrastructure.

Furthermore, the Center is expected to transition to self-financing in the future through income generated from the services it provides.

9. The Center shall be located in the building at 114A Makhtumkuli Street, Yashnobod District, Tashkent City, with the right to use the premises free of charge.

10. In order to make the banking system an advanced sector in artificial intelligence technologies and to widely apply international experience in the field:

a) The Central Bank's Project and Process Management Service, as well as the Cybersecurity Center, shall implement artificial intelligence technologies in the areas of fraud prevention, payment systems, and risk management;

b) Commercial banks with state participation are required to implement artificial intelligence projects in the following areas:

Improving the convenience and quality of banking services for the population and business entities;

Managing financial risks and assessing clients' creditworthiness using "big data" processing technologies and artificial intelligence;

Automating banking services and introducing modern mechanisms for information security and fraud prevention.

11. The Ministry of Digital Technologies, together with the relevant ministries and agencies, shall submit proposals to the Cabinet of Ministers within two months on amendments and additions to the legislative acts arising from this resolution.

12. The Minister of Digital Technologies, Sh. K. Shermatov, shall be appointed responsible and personally accountable for the effective organization of the implementation of this resolution.

The Prime Minister of the Republic of Uzbekistan, A. N. Aripov, shall be entrusted with overseeing the implementation of the resolution, coordinating the activities of the responsible organizations and monitoring progress.

President of the Republic Uzbekistan SH. MIRZIYOYEV

Tashkent,
October 14, 2024,
No. RP-358

APPENDIX 1
to the Resolution of the President of the Republic of Uzbekistan No. RP-358 dated 14 October 2024

STRATEGY
for the Development of Artificial Intelligence Technologies until 2030

Chapter 1: General Information

The Strategy for the Development of Artificial Intelligence Technologies until 2030 (hereinafter referred to as the Strategy) has been developed in accordance with the Decree No. PF-132 of the President of the Republic of Uzbekistan, dated August 30, 2024, "On Measures to Implement the Tasks Defined at the Fourth Open Dialogue between the President of the Republic of Uzbekistan and Entrepreneurs." This Strategy aims to create the necessary conditions for the introduction of artificial intelligence technologies in the social sphere and economic sectors, including the establishment of legal, technological, and economic foundations.

The Strategy defines the objectives, tasks, and priority areas for the broad application and accelerated development of artificial intelligence in our country, taking into account the current state of artificial intelligence technologies and the advanced practices of other countries.

Additionally, the Strategy outlines medium- and long-term tasks, including those in scientific and technological development, for the implementation of projects aligned with national interests using artificial intelligence technologies.

The following key concepts are used in the Strategy:

Artificial Intelligence: A set of technological solutions that enable the imitation of human knowledge and skills (including independent learning and problem-solving), delivering results comparable to those of human intellectual activity when performing specific tasks.

Neural Network: A mathematical model and software-hardware solution based on the principles of biological neural connections, employed in machine learning.

Machine Learning: A field focused on developing algorithms that draw conclusions by studying and analyzing patterns, identifying relationships in data, and applying various methods, including neural networks and statistics.

Deep Learning Platform: A set of software and hardware tools designed for deep learning using artificial neural networks.

Artificial Intelligence Technology: Technologies based on artificial intelligence, including advanced methods for intelligent video analysis, speech recognition and synthesis, and decision-making support.

Big Data: Large datasets distinguished by their volume, variety, and/or velocity, requiring efficient storage, management, and analysis.

Chapter 2: The Current State of Artificial Intelligence Technologies Development in Uzbekistan

To create conditions for the development of artificial intelligence technologies, the President of the Republic of Uzbekistan issued Resolution No. PQ-4996 on February 17, 2021, "On measures to create Conditions for the accelerated implementation of artificial intelligence technologies." according to this resolution:

Starting from the 2021/2022 academic year, courses and subjects focused on the practical application of artificial intelligence technologies in economic sectors and public administration were introduced in 15 higher education institutions;

Beginning with the 2023/2024 academic year, 572 students (510 undergraduates and 62 master's students) were admitted to 12 higher education institutions to study in the field of "Artificial Intelligence";

The "El-Yurt Umidi" Foundation sent young people who expressed a desire to study artificial intelligence to leading foreign higher education institutions.

The Ministry of Digital Technologies established the Digital Technologies and Artificial Intelligence Development Research Institute, which includes specialized laboratories.

As part of the activities of the Open Data Portal of the Republic of Uzbekistan, a digital data platform (data.egov.uz) was launched to provide access to datasets and state agency data through software solutions based on artificial intelligence.

Experimental projects were implemented in priority sectors and industries—such as agriculture, banking, finance, transport, healthcare, pharmaceuticals, energy, and taxation — to introduce artificial intelligence technologies.

Chapter 3: Objectives and Tasks of the Strategy

The Strategy aims to achieve specific targets for the development of artificial intelligence technologies by 2030. The following are defined as the primary objectives and tasks for the successful implementation of the Strategy in Uzbekistan:

1) Developing a legal framework for the advancement of Artificial Intelligence Technologies:

drafting and improving national legislation based on international best practices;

creating a favorable environment to support scientific research and innovation in the field;

establishing security and ethical requirements for artificial intelligence technologies.

2) Implementing Artificial Intelligence Technologies in the social sphere and Economic Sectors:

promoting the development and introduction of artificial intelligence technologies to generate new high-value products and services.

3) Improving standards and strengthening international cooperation:

aligning national standards with international standards;

establishing connections with international organizations and leading foreign companies in the field, as well as strengthening regional and international cooperation.

4) Establishing technical infrastructure for data processing based on Artificial Intelligence Technologies:

creating the necessary infrastructure for the training, testing, and development of artificial intelligence models;

forming open data and "big data" collections.

5) Enhancing knowledge and skills of the population and developing human resources:

raising public awareness and knowledge about the use of artificial intelligence technologies;

training qualified personnel, improving staff competencies, engaging foreign specialists, and enhancing the skills of teachers and professors.

1-§. Developing a legal framework for the advancement of Artificial Intelligence Technologies

To draft and improve national legislation based on international best practices, the following measures will be implemented:

establishing a robust legal framework to support the development of artificial intelligence technologies by studying research outcomes and the experience of advanced countries;

creating a comprehensive system to regulate relations among entities involved in the widespread adoption and use of artificial intelligence technologies;

developing state standards and legal frameworks specific to the field;

forming institutional foundations for the governance of artificial intelligence technologies;

strengthening the foundations to ensure data integrity and security in cloud technology services at data processing and storage centers.

To create a favorable environment supporting scientific research and innovation, the following steps will be taken:

facilitating patent research, involving leading organizations in identifying priority areas for research, and ensuring the regular updating of such research;

simplifying the processes related to conducting scientific research in the field of artificial intelligence across various economic sectors;

enhancing the legal framework for the commercialization of scientific research outcomes.

To introduce security and ethical requirements, the following actions will be carried out:

developing ethical guidelines for artificial intelligence technologies;

improving legal frameworks for data collection, storage, processing, and security;

2-§: Implementing Artificial Intelligence Technologies in the Social Sphere and Economic Sectors

To promote new high-value products and services through the widespread development and application of artificial intelligence technologies, the following measures will be implemented:

a) In Agriculture:

developing technologies for remote sensing of soil and crops and monitoring agricultural equipment (including combines) through global positioning systems;

assisting decision-making processes to increase crop productivity using artificial intelligence;

enabling online monitoring of the growth and production of crops, livestock, poultry, fish, and other agricultural products;

using artificial intelligence to forecast crop yields, determine soil moisture levels, and recommend ways to conserve water and fertilizers.

b) In the banking sector:

assessing customers' solvency and other characteristics during the provision of banking services;

developing intelligent technologies for monitoring, analysis, planning, and forecasting within the banking sector.

c) In transport, logistics, industry, services, and public safety:

monitoring the number, net weight, and contents of wagons in the transport sector using modern methods;

identifying customers in stores with modern cameras, analyzing their behavior, and monitoring the products they purchase;

utilizing autonomous intelligent devices and robotic complexes in intelligent logistics management systems;

monitoring and optimizing production and service processes using artificial intelligence algorithms, machine learning, and forecasting methods.

d) In geology and energy:

optimizing production processes and improving the efficiency of technological equipment;

forecasting the production and consumption of energy resources;

introducing Iot technologies for efficient management and monitoring of energy facilities.

e) In healthcare and pharmaceuticals:

implementing projects focused on forecasting, diagnosing, and planning the treatment of diseases.

optimizing the production and delivery of pharmaceuticals.

using artificial intelligence to detect pneumonia through CT analysis of lungs.

diagnosing breast cancer in its early stages through mammography analysis using artificial intelligence technologies.

analyzing medical needs, production levels, and financial information to ensure adequate pharmaceutical supply.

introducing early detection systems for diseases by analyzing 3D CT images.

using segmentation methods to accurately identify patients' diseases.

automating surgical interventions to enhance precision.

f) In Education, Culture, and Tourism:

monitoring students' attendance and ensuring their safety through biometric identification technologies in educational institutions.

identifying gaps in learning across subjects and grades, analyzing students' intellectual and physical development, and improving school management effectiveness.

automating the assessment of knowledge and analyzing educational outcomes.

expanding opportunities to learn programming languages and artificial intelligence technologies.

developing game-based and experimental programs to foster children's understanding of and interest in artificial intelligence from an early age.

providing students with essential knowledge of programming languages and artificial intelligence to prepare them for the future.

offering high-quality and interactive services to tourists at cultural sites, including museums.

g) In Digital Government:

implementing biometric identification (Face-ID) technologies to enable remote access to digital government services;

advancing technologies for speech recognition, speech synthesis, and natural language processing (LLM and NLP) ;

developing chatbots for the unified interactive public services portal;

fully automating service delivery to enhance efficiency and quality;

improving planning, forecasting, and decision-making processes in public administration;

increasing the quality of public services while providing user-friendly options for citizens;

developing supercomputers and cloud platforms for working with artificial intelligence and big data.

3-§. Improving standards and strengthening international cooperation

The following measures will be implemented to align national standards with international ones:

conducting an inventory of existing national standards, analyzing them, and ensuring their alignment with international standards;

developing new national standards based on international requirements;

organizing training sessions and seminars for individuals involved in the standardization process and forming expert groups to create new national standards in accordance with international standards;

hosting international forums and conferences to strengthen cooperation;

establishing scientific and technological partnerships to exchange innovative technologies and adapt them to local conditions;

developing platforms and programs to promote national products and services in international markets;

creating favorable conditions to encourage the development of internationally compliant products and services.

To foster international cooperation and strengthen relationships with regional and international partners, the following actions will be undertaken:

establishing scientific and technological partnerships with foreign countries;

implementing joint scientific and practical research projects with foreign countries;

hosting joint seminars and conferences to facilitate knowledge exchange;

localizing advanced artificial intelligence technologies from abroad;

presenting the solutions of local companies and organizations on international platforms and strengthening their relations with foreign partners;

implementing projects in collaboration with international organizations.

4-§. Establishing technical infrastructure for data Processing based on artificial Intelligence Technologies

To establish the necessary infrastructure for training, testing, and developing artificial intelligence models, the following steps will be taken:

introducing "cloud services" and expanding the capabilities of existing data centers while creating new ones;

increasing the share of allocated computing resources for artificial intelligence at data processing centers;

inhancing the quantity and quality of digital data required for developing artificial intelligence;

meeting the growing demand for information by citizens, regardless of their geographical location, through automated services;

developing data storage and processing centers based on cloud computing technologies;

designing an online learning platform for citizens interested in developing and utilizing artificial intelligence technologies;

equipping government institutions, economic associations, and higher education institutions with the necessary technical equipment for practical use of artificial intelligence, thereby establishing relevant infrastructure.

To create comprehensive open data and big data collections, the following actions will be taken:

processing and analyzing big data using artificial intelligence-based solutions;

introducing efficient methods and advanced business analytics technologies for working with big data;

ensuring the continuous operation and enhancement of digital data platforms designed for data placement, collection, and analysis;

increasing the availability of open digital datasets, ensuring their quality, and regularly updating them;

raising the level of openness of digital data held by government institutions and integrating them into the Open Data Portal;

forming specialized datasets for tasks such as voice, video, and communication analysis in the Uzbek language.

5-§. Enhancing knowledge and skills of the population and developing human resources

To enhance public knowledge and skills in using artificial intelligence technologies, the following measures will be implemented:

Promoting the use of artificial intelligence technologies among youth and developing digital skills across all segments of the population;

Developing online courses and expanding remote and online learning technologies;

Organizing events (forums, seminars, conferences) and competitions (hackathons, contests) to discuss new achievements in artificial intelligence applications in the real economy;

Engaging organizations in initiatives focused on the development of general and vocational education;

Increasing the number of activities aimed at fostering students' intellectual and creative abilities;

Raising awareness among employers about the benefits of artificial intelligence to encourage their support in promoting knowledge and skills;

Continuously upgrading the knowledge and skills of public administration employees and those responsible for digitalization in government and economic associations;

Informing the public and organizations about the advantages and safety of using artificial intelligence solutions, as well as available education and retraining programs;

Developing specialized training programs on artificial intelligence for government and private sector employees.

To train skilled personnel, improve staff competencies, and involve foreign specialists, the following actions will be taken:

establishing laboratories at universities to study robotics, IoT, and artificial intelligence technologies and providing grants for modern equipment;

creating conditions to teach programming to secondary school students to develop a pool of highly skilled professionals;

organizing free online courses with foreign professors and experts for students specializing in artificial intelligence;

increasing the number of graduates specializing in artificial intelligence;

deepening knowledge in mathematics, logic, mental arithmetic, and programming to ensure students reach an intermediate level in artificial intelligence;

supporting talented professionals and promoting their achievements to encourage their development;

developing training programs with major international companies to enhance the skills of personnel in artificial intelligence;

facilitating personnel exchanges and experience-sharing programs, and supporting joint research and projects between scientific institutions and the private sector;

ensuring that joint research and projects address the real needs of society.

Chapter 4: Expected outcomes of the strategy's implementation

The successful implementation of the tasks outlined in the Strategy is expected to yield the following outcomes:

a) Legislative and Regulatory framework:

establishment of a legal framework that regulates artificial intelligence technologies, including relevant laws, international and local standards, and mechanisms for their implementation;

foundations for ensuring the integrity and security of data in cloud-based services at data processing centers;

formation of institutional governance for artificial intelligence technologies;

development of ethical guidelines for the use of artificial intelligence technologies.

b) Implementation in social and economic sectors:

widespread adoption of artificial intelligence technologies across the social and economic sectors;

increased efficiency in organizations through the automation of workflows, optimizing time and resources;

continuous monitoring of production processes and real-time decision-making through data analysis;

cost reduction through the use of artificial intelligence technologies;

extended lifespan of equipment through predictive monitoring and maintenance;

improved quality control of products and services through data analysis;

enhanced competitiveness through the production of higher-value products and services using new technologies.

c) Standards and International Cooperation:

greater global integration through the alignment of national standards with international ones;

increased interest from foreign investors and companies in investing in the local economy;

simplified access to export markets by enhancing the quality and competitiveness of local products and services;

additional financial resources attracted for innovative projects and startups.

d) Technical Infrastructure Development:

availability of high-speed computing capabilities for artificial intelligence infrastructure;

improved speed and efficiency in data processing;

provision of state-of-the-art equipment for specialized research institutes;

continuous updating and expansion of digital datasets for artificial intelligence algorithms;

safe storage and processing of big data, with robust security measures in place;

reduced workloads through the automation of routine tasks;

development of models and algorithms through the integration of big data;

increased accuracy in forecasting and decision-making processes;

effective deployment of machine learning models and deep learning platforms.

e) Human Resource Development:

training of qualified specialists in artificial intelligence at higher education institutions, with an increase in graduates;

growth in the number of training centers focusing on artificial intelligence, robotics, and related fields;

expansion of IT companies developing software and services based on artificial intelligence;

increased number of specialists with scientific qualifications in the field;

improved evaluation of researchers' activities using new metrics beyond academic publications;

broader public knowledge and skills in using artificial intelligence technologies;

increased transparency and availability of digital public services powered by artificial intelligence.

APPENDIX
to the Strategy for the Development of Artificial Intelligence Technologies until 2030

TARGET INDICATORS
for the Development of Artificial Intelligence Technologies until 2030

No.	Indicators	Unit	Current status	2026	2028	2030	Responsible executors
1.	The share of allocated capacities for artificial intelligence in government data processing centers	percentage	-	5	7	10	Ministry of Digital Technologies, relevant ministries and agencies
2.	The volume of software products and services created based on artificial intelligence	million dollars	10	200	500	1 500	Ministry of Digital Technologies, relevant ministries and agencies
	Statistical and sectoral data on the Open Data Portal	data set	5 777	7 500	8 500	10 000	Statistics Agency, Ministry of Digital Technologies, relevant ministries and agencies

3.	Interagency data provided in open format for the implementation of artificial intelligence projects	data set	16	50	100	200	Ministry of Digital Technologies, Statistics Agency, relevant ministries and agencies
4.	Share of services based on artificial intelligence provided through the Unified Interactive Public Services Portal	percentage	-	1	5	10	Ministry of Justice, Ministry of Digital Technologies
5.	Projects implemented based on artificial intelligence in sectors and industries	number	-	57	100	185	Relevant ministries and agencies, Ministry of Digital Technologies
6.	Residents operating in the field of artificial intelligence at the IT Park	number	10	20	35	50	Ministry of Digital Technologies
7.	Training qualified specialists in the field of artificial intelligence	number	572	650	800	1 000	Ministry of Higher Education, Science and Innovation, Ministry of Poverty Reduction and Employment, Ministry of Digital Technologies
8.	Scientific laboratories operating in the field of artificial intelligence	number	-	6	8	10	Ministry of Digital Technologies, Ministry of Higher Education, Science and Innovation
9.	Professors with scientific degrees (PhD, DSc) in the field of artificial intelligence at IT universities	number	-	20	25	40	Ministry of Higher Education, Science and Innovation, Ministry of Digital Technologies
10.	Position of Uzbekistan in the Government AI Readiness Index	rank	87	75	65	50	Ministry of Digital Technologies, Ministry of Higher Education, Science and Innovation, relevant ministries and agencies

APPENDIX 2
to the Resolution of the President of the Republic of Uzbekistan No. RP-358 dated 14 October 2024

ACTION PLAN

for the implementation of the Strategy of the Development of Artificial Intelligence Technologies for 2024 — 2026

No.	Tasks	Mechanism of implementation	Deadline	Responsible executors
I. Establishing the regulatory and legal framework for the development of artificial intelligence technologies				
1.	Establishing the regulatory and legal document framework for the development and regulation of artificial intelligence technologies in our country.	1. Conduct an inventory of legislative documents. 2. Submit a draft action plan to the Cabinet of Ministers for developing legislative document projects based on the results of the inventory.	April 2025 June 2025	Ministry of Digital Technologies, relevant ministries and agencies
2.	Formulating ethical rules and principles for the development and application of Artificial Intelligence Technologies.	1. Analyse international experience in the following areas: prioritizing the protection of human interests and rights in the development of artificial intelligence technologies; dthical guidelines regulating the principles of applying artificial intelligence technologies. 2. Development of a draft regulatory-legal document and its coordination with relevant ministries and agencies. 3. Submission of the draft regulatory-legal document to the Cabinet of Ministers.	October 2025 December 2025 January 2026	Ministry of Digital Technologies, relevant ministries and agencies
3.	Ensuring the security of personal data in the implementation, development, and use of artificial intelligence.	1. Development of a regulatory-legal document aimed at ensuring the security of personal data in the implementation, development, and use of artificial intelligence, based on advanced international practices. 2. Coordination of the draft regulatory-legal document in accordance with established procedures. 3. Submission of the draft regulatory-legal document to the Cabinet of Ministers.	May 2025 September 2025 December 2025	Ministry of Digital Technologies, Ministry of Justice
4.	Establishment of the “Center for the Development of Artificial Intelligence and Digital	1. Development of a draft regulatory-legal document. 2. Coordination of the draft regulatory-legal document in	December 2024 February 2025	Ministry of Digital Technologies

	Economy" state institution based on the "Center for digital economy research" state institution within the structure of the Ministry of Digital Technologies.	accordance with established procedures. 3. Submission of the draft regulatory-legal document to the Cabinet of Ministers.	2025 March	
5.	Implementation of artificial intelligence technologies in the prevention of fraud, management of payment systems, and risk management by the Project and Process Management Service of the Central Bank and the Cybersecurity Center.	1. Development of a list of priority projects for the implementation of artificial intelligence technologies in the areas of fraud prevention, payment systems management, and risk management by the Project and Process Management Service and the Cybersecurity Center. 2. Implementation of the projects.	January 2025 2025-2026	Central Bank, Commercial banks with state participation
6.	Improvement of information and computer security mechanisms in the digital government system.	Taking practical measures to improve information and computer security mechanisms in the digital government system using artificial intelligence.	June 2026	Ministry of Digital Technologies
II. Improving standards in the field of artificial intellegence and strengthening international cooperation ties				
7.	Development of new national standards regulating artificial intelligence technologies.	1. Analysing international experience and development of draft standards in this area. 2. Coordination and approval of draft standards in accordance with established procedures.	2025-2026	Ministry of Digital Technologies, Uzbekistan Agency for Technical Regulation, relevant ministries and agencies
8.	Harmonization of 9 national standards regulating artificial intelligence technologies with international standards.	1. Inventory and analysis of existing national standards. 2. Based on the results of the inventory, development of new revisions of national standards, their coordination, and approval in accordance with established procedures.	2025-2026	Ministry of Digital Technologies, Uzbekistan Agency for Technical Regulation, relevant ministries and agencies
9.	Conduct seminars on harmonizing local standards with international standards with the participation of international experts.	1. Form a list of leading foreign companies and experts in the field of standardization and establish cooperation with them. 2. Conduct seminars on harmonizing local standards with international standards by involving leading foreign companies and experts.	June 2025 November 2025	Ministry of Digital Technologies, Uzbekistan Agency for Technical Regulation

10.	Establish regular cooperation with foreign scientific and technological companies to implement international standards, best practices and technologies in the field of artificial intelligence at the local level.	Establish localization of international standards, best foreign practices, and technologies in cooperation with leading foreign companies in the field of standardization.	2025-2026	Ministry of Digital Technologies, Uzbekistan Agency for Technical Regulation
11.	Ensure the active participation of the Republic of Uzbekistan in international organizations in the field of artificial intelligence and build its image.	Develop and implement a "roadmap" to ensure the active participation of the Republic of Uzbekistan in international organizations in the field of artificial intelligence and build its image within the framework of regional and international cooperation.	2025-2026	Ministry of Digital Technologies, Ministry of Foreign Affairs
III. Establishment of technical infrastructure for data processing based on artificial intelligence technologies				
12.	Launch a high-performance computing cluster equipped with Graphics Processing Units (GPUs) necessary for parallel computing, machine learning, and other projects related to the implementation of artificial intelligence technologies.	1. Analyse foreign experience and apply comprehensive analysis methods using artificial intelligence. 2. Develop and approve project-technical documentation in accordance with established procedures. 3. Conduct procurement processes in accordance with legislative documents.	March 2025 August 2025 April 2026	Ministry of Digital Technologies, Center for the development of artificial intelligence and digital economy, Research institute for the development of digital technologies and artificial intellegence
13.	Launch specialized "big data" database server equipment for collecting, storing, and organizing data.	1. Analyse foreign experience and apply comprehensive analysis methods using artificial intelligence. 2. Develop and approve project-technical documentation in accordance with established procedures. 3. Launch server equipment in accordance with legislative documents.	January 2025 May 2025 June 2026	Ministry of Digital Technologies, Center for the development of artificial intelligence and digital economy, Research institute for the development of digital technologies and artificial intellegence
IV. Improving the knowledge and skills of the population and developing human resource potential				
14.	Taking measures to provide targeted training for talented youth in the	1. Form a list of talented youth in the field of artificial intelligence and select	Starting from 2025 on a	"El-Yurt Umidi" foundation,

	field of artificial intelligence at the world's leading higher education institutions.	candidates based on a competitive process. 2. In addition to the established quotas, allocate 5 targeted spots for undergraduate and master's programs in open scholarship competitions at the top 300 internationally recognized academic institutions or the top 100 leading foreign universities in the field of artificial intelligence. 3. Send selected candidates to study at foreign higher education institutions and monitor their academic progress.	regular basis	Ministry of Higher Education, Science, and Innovation, relevant ministries and agencies
15.	Improve the qualifications of specialists responsible for implementing artificial intelligence projects in ministries and agencies, as well as professors and researchers from scientific research institutes, in foreign countries.	1. Form a list of specialists and professors, and select them based on a competitive process. 2. Send the selected candidates to internationally recognized foreign universities and research institutes for professional development courses.	2025-2026	“El-Yurt Umidi” foundation, Ministry of Higher Education, Science, and Innovation, relevant ministries and agencies
16.	Ensure that commercial banks with state participation annually send at least one digitalization management officer to foreign educational institutions for professional development in the field of artificial intelligence.	1. Form a list of specialists to be sent for professional development. 2. Send the selected candidates to internationally recognized foreign universities and research institutes for professional development courses.	Starting from January 1, 2025, on a regular basis	Ministry of Economy and Finance, Central Bank, commercial banks with state participation
17.	Establish laboratories in higher education and research institutions in the field of artificial intelligence.	1. Approve the technical parameters for research laboratories. 2. Procure necessary equipment and devices in accordance with the technical parameters. 3. Renovate and equip the buildings, facilities, or special rooms allocated for research laboratories. 4. Establish artificial intelligence laboratories at the following institutions:	2025-2026	Ministry of Digital Technologies, Ministry of Higher Education, Science, and Innovation

		Tashkent University of Information Technologies; Tashkent State Technical University named after Islam Karimov; National University of Uzbekistan named after Mirzo Ulugbek; Tashkent University of Economics; "Tashkent Institute of Irrigation and Agricultural Mechanization Engineers" National Research University; Scientific Research Institute for the Development of Digital Technologies and Artificial Intelligence.		
18.	Establish a system for improving the knowledge and skills of employees of state and economic management bodies, commercial banks, and local government authorities in the field of artificial intelligence.	1. Establish partnerships with leading foreign universities and companies. 2. Develop training program in collaboration with these partners. 3. Implement a hybrid (online and traditional) learning process.	December 2024 March 2025 April 2025	Ministry of Digital Technologies, Center for the development of artificial intelligence and digital economy, Research institute for the development of digital technologies and artificial intellegence
19.	Engage employees of government bodies and organizations, including programmers working in the field of artificial intelligence, in professional development courses and training on the implementation and application of artificial intelligence, including specialized programs.	1. Develop training programs and materials for professional development courses. 2. Create and approve the schedule for professional development courses. 3. Organize professional development courses in specialized areas.	Annually in August Annually in September Annually in October	Ministry of Digital Technologies, Research institute for the development of digital technologies and artificial intellegence, Executive government bodies of the republic, local state authorities, and state-owned enterprises
20.	Improve the position of the Republic of Uzbekistan in international rankings and indices in the field of artificial intelligence.	1. Engage international experts to analyze the current situation. 2. Based on the analysis results, develop well-grounded proposals and submit them to the Cabinet of Ministers.	May 2025 September 2025	Center for the development of artificial intelligence and digital economy, Research institute for the development

				of digital technologies and artificial intellegence
21.	Implement artificial intelligence technologies in the electronic services provided to the population and business entities by ministries and agencies.	1. Conduct an inventory of the electronic government services being provided. 2. Develop proposals for the implementation of artificial intelligence technologies in electronic services and submit them to the Cabinet of Ministers.	November 2024 December 2024	Ministry of Digital Technologies, Ministry of Justice

APPENDIX 3
to the Resolution of the President of the Republic of Uzbekistan No. RP-358 dated 14 October 2024

LIST
of "big data" generated in the social and economic sectors

No.	Data	Type of data	Data volume	Update frequency	Responsible executors
1.	Macroeconomic indicators and sector-specific indicators of various branches of the economy	Data exchange in text format	500	In accordance with the statistics program	Statistics Agency
2.	Data on soil composition and mineralization	Data exchange in text format	5 000	Annually	Ministry of Agriculture
3.	Natural-climate data obtained from underground water level sensors	Image	5 000	Every half year	Ministry of mining industry and geology
4.	Data on water quality indicators and the causes of pollution	Image and video	5 000	Every half year	Ministry of water resources, Ministry of mining industry and geology
5.	Data about the volume of drinking water provided by regional water supply enterprises for the services rendered	Data exchange in text format	5 000	Every half year	"O'zsuvta'minot" JSC
6.	Data on the quality indicators of drinking water	Data exchange in text format	5 000	Every half year	"O'zsuvta'minot" JSC
7.	Data on public transportation movement	Data exchange in text format, geographic data	-	Constantly	Ministry of transport
8.	Data on passenger movement in public transportation	Data exchange in text format, geographic data	-	Constantly	Ministry of transport
9.	Data on motor vehicles	Data exchange in text format	5 000	Every half year	Ministry of internal affairs

10.	Data on road traffic accidents	Image and video	5 000	Every half year	Ministry of internal affairs
11.	Images of detected cracks in buildings and structures	Image	10 000	Every half year	Ministry of construction and housing and communal services
12.	Data on fires in forestry, oil and gas, and chemical product storage warehouses, as well as cotton storage facilities	Image	1 000	Every half year	Ministry of Emergency Situations
13.	Photographs of household and industrial waste disposal sites	Image	6 000	Every half year	Ministry of ecology, environmental protection, and climate change, Ministry of mining industry and geology
14.	Data on climate and weather conditions	Image, Data exchange in text format	12 000	Every half year	Agency for Hydrometeorology service
15.	Image data reflecting human movements	Image and video	15 000	Every half year	Ministry of digital technologies
16.	A collection of audio data representing human speech	Audio	10 000	Every half year	Ministry of digital technologies
17.	Image data of human organs (heart, lungs, liver, brain, etc.) from computed tomography (CT), mammography, magnetic resonance imaging (MRI), multislice computed tomography (MSCT), and other similar scans.	Image	20 000	Annually after the information system is established	Ministry of Health
18.	Data on liver cancer diagnostics	Image	10 000	Annually after the information system is established	Ministry of Health
19.	Image data for the diagnosis of thyroid cancer	Image	10 000	Annually after the information system is established	Ministry of Health
20.	Data on the diagnostics of oral cavity diseases	Image	10 000	Annually after the information system is established	Ministry of Health
21.	Image data from ultrasound examinations during pregnancy.	Image	5 000	Annually after the information	Ministry of Health

				system is established	
22.	Data from echocardiography (ECHO), electrocardiography (ECG) and Holter monitoring	Image	5 000	Annually after the information system is established	Ministry of Health
23.	Collection of audio data representing the speech of individuals with speech disorders.	Audio	1 000	Annually after the information system is established	Ministry of Health
24.	Image data reflecting human movements related to sign language	Image and video	15 000	Every half year	National Agency for Social Protection
25.	Digital samples from the Uzbekistan National Herbarium Fund	Image	10 000	Annually	Academy of Sciences

Note: All data listed in this registry will be provided in compliance with the legislative requirements regarding personal data (including in an anonymized format). The exchange of text-based data listed will be conducted in JSON format. The Ministry of Digital Technologies may specify the form and format of the data provided.