Digitalization Initiatives in Kazakhstan

1. Digital Kazakhstan Program

Digital transformation across various sectors, including education, healthcare, government services, and infrastructure.

2. E-Government Development

Streamline administrative processes, improve transparency, and enhance citizen engagement.

3. Tech Start-up Support

Funding initiatives, incubators, and accelerators. Programs like the Astana Hub and the AIFC Tech Hub provide support, mentorship, and networking opportunities to tech startups, fostering innovation and entrepreneurship in the country.

Emerging Technologies Landscape

Artificial Intelligence (AI), Blockchain, and Internet of Things (IoT) are revolutionizing industries across Kazakhstan and the region. These innovations are reshaping business processes, enhancing decision-making capabilities, and fueling economic growth and development.

1. **Finance and Banking**: AI-powered chatbots for customer service, blockchain-based digital currencies, and IoT-enabled payment systems.
2. **Healthcare**: AI-driven diagnostics, blockchain-based medical records management, and IoT-enabled remote patient monitoring.
3. **Manufacturing**: AI-powered predictive maintenance, blockchain-enabled supply chain traceability, and IoT-driven smart factories.
4. **Agriculture**: AI-based crop monitoring and optimization, blockchain-enabled supply chain transparency, and IoT-enabled precision farming.

*Examples: Smart Traffic Management, Blockchain in Supply Chain, IoT in Energy Management*
Unlocking Investment Potential in Kazakhstan's Tech Ecosystem

1. Investment Potential:
   1. Digitalization Initiatives
   2. Technology Startups

2. Supportive Government Policies:
   1. Regulatory Framework
   2. Funding Support (*Digital Kazakhstan Program* and the *Astana Hub*)

3. Testimonials and Success Stories:
   1. Existing Investors
   2. Startup Success Stories

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*Logos of tech companies and organizations*
AIFC plays a pivotal role in facilitating partnerships to promote knowledge exchange, technology transfer, and ecosystem development

1. Importance of Collaboration
2. Examples of Successful Partnerships:
   - Industry-Academia Collaboration (joint research projects, talent development programs, and technology transfer initiatives)
   - Public-Private Partnerships (PPPs) (joint ventures between government agencies and private companies to develop smart city projects, digital infrastructure, and public service delivery platforms)
   - International Collaboration (technology transfer, market access, and investment opportunities for stakeholders in Kazakhstan)
3. Opportunities for Stakeholders
   - Engagement in collaborative initiatives
   - Access funding, expertise, and networking opportunities
   - Access to platforms, forums, and support services to facilitate matchmaking, partnership building, and collaboration management
In accordance with the Constitutional Law "On the AIFC", the following task is defined:

“Development of insurance, banking services, Islamic finance, financial technologies, digital assets, e-commerce and innovative projects in the Republic of Kazakhstan;”
AIFC Initiatives in 2024

1. AI based technologies implementation
2. Enhance SME Risk Scoring
3. Development of learning management system (Improving Financial Literacy)
4. Foster corporate innovations
AI in Finance

«It is extremely important to continue the digitalization of the economy and ensure the widespread use of artificial intelligence technologies.»

K. Tokayev

The first aspect is to improve the quality of customer service through personalized recommendations, quick decision-making and instant access to information.

The second aspect of the implementation will be the optimization of internal business processes, including automation of routine operations and improvement of risk management.

Benchmarking against Silicon Valley’s one-third venture capital investment in AI and Big Data in 2023
AI in Finance (best practice)

**Goldman Sachs**

**Automation of decision-making processes:**
Goldman Sachs uses machine learning algorithms to analyze large amounts of data and make investment decisions.

**Wells Fargo**

**Development of personalized financial products:**
Wells Fargo uses AI to analyze customer data and provide personalized investment and budget management recommendations.

**JPMorgan Chase**

**Robotization of customer service processes:**
JPMorgan Chase successfully uses bots to robotize responses to customer requests.

**MasterCard**

**Fraud prevention and security:**
Mastercard uses AI to analyze transactions and identify anomalies, which helps to combat fraud and ensure the security of financial transactions.
Innovative risk-scoring methods, based on comprehensive databases, will be applied to SMEs. This approach ensures a more accurate assessment of their creditworthiness, reducing financial risks and stimulating the development of small businesses.

Implementing data-driven credit assessment to reduce lending risks, modeled on European fintech best practices.
Introducing innovative educational programs supported by technology. These programs will play a key role in enhancing financial literacy by providing accessible and interactive learning experiences, empowering individuals to make more informed financial decisions.

Incorporating methods from successful global eLearning platforms to boost financial education.

«But new systemic measures are required to radically correct the situation. At the same time, it is extremely important to improve the financial literacy of the citizens themselves.»

K. Tokayev
Corporate Innovations

Cultivating a thriving environment for corporate growth and innovation

Example AI in HR: ChatGPT in Recruiting and sourcing

1) Development and analysis of job vacancies using ChatGPT
2) Creation and optimization of a recruiter profile on social networks
3) Resume analysis
4) Sourcing
5) Communicating with candidates
6) Organization of the workflow and task management
7) Conducting interviews
8) Employer branding and HR marketing
9) Integrating ChatGPT with other recruiting tools
10) Measuring success and defining KPIs in recruiting
Thank you for your attention!