

The Result of Attention and Changes in the Field of it in Uzbekistan

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Abstract. In this article, the opinions of our country and foreign scientists are mentioned about the effect of the changes and the attention paid to the IT sector in Uzbekistan. Uzbekistan's IT sector has been growing rapidly, with considerable attention from the government and private sectors focusing on creating a more digitally advanced economy.

Keywords: AI bots, chatbots, virtual assistants, social bots, ai-powered games, robotics, clear communication, promote fairness and equity, job displacement, misinformation and manipulation.

Introduction.

Uzbekistan has been experiencing significant changes in the field of Information Technology (IT) in recent years. The government is actively promoting digital transformation and the development of a robust IT ecosystem.¹ Here are some of the key areas of attention and changes in Uzbekistan's IT landscape:

1. Government Initiatives and Policies

- Digital Uzbekistan 2030: Launched as a strategic initiative, this program aims to promote the digital economy, enhance digital literacy, and integrate information technologies into various sectors of the economy.
- Regulatory Framework: The government has introduced various laws and regulations to facilitate the growth of the IT sector, including incentives for tech startups, streamlined processes for registering IT companies, and measures to protect intellectual property.²

2. Investment in IT Infrastructure

- Internet and Connectivity: Efforts are being made to improve internet access across the country, including expanding broadband connectivity and mobile internet coverage, particularly in rural areas.
- Technological Hubs and Parks: Special economic zones and tech parks, like the Tashkent IT Park, have been established to foster innovation, attract investment, and support the growth of IT startups.

Materials.

Education and Skill Development

- Curriculum Updates: There is a push to update educational curricula to include modern IT skills, programming, data science, and cybersecurity, often in collaboration with international

¹ THE DIGITAL ECONOMY AND ITS DEVELOPMENT FACTORS 2024 / Kh. Khurramov

² DIGITAL ECONOMY AS A FACTOR IN THE DEVELOPMENT OF A SOCIAL STATE 2020 / Alla Silenko, Vira Bezrodna, Olga Nikogosyan

educational institutions.

- Training Programs: Various initiatives are underway to provide training and upskilling for young professionals, including coding boot camps and tech-related workshops.³

Growth of the Startup Ecosystem

- Support for Startups: The government and private sector are investing in incubators and accelerators to support budding entrepreneurs. This includes access to funding, mentorship, and networking opportunities.
- Success Stories: There have been several successful startups emerging in areas such as fintech, e-commerce, and software development, highlighting the potential of the local talent pool.

Focus on E-Government and Digital Services

- Digital Public Services: There is a significant emphasis on digitizing public services to improve efficiency and accessibility. Initiatives include online tax services, electronic application processes, and digital identity systems.⁴
- Smart City Projects: Major cities like Tashkent are exploring smart city concepts that integrate IT solutions for traffic management, public safety, and urban planning.

Research and methods.

Increase in IT Outsourcing

- Outsourcing Services: Uzbekistan is positioning itself as a destination for IT outsourcing, taking advantage of its young, tech-savvy population and competitive costs.
- Partnerships: Local IT companies are increasingly partnering with foreign firms to provide software development, IT consulting, and other services.

Emphasis on Cybersecurity

- Cybersecurity Measures: As digital transformation accelerates, there is a growing recognition of the importance of cybersecurity. The government is investing in developing strategies, frameworks, and public awareness campaigns focused on cybersecurity issues.

International Collaboration

- Global Partnerships: Uzbekistan is actively seeking partnerships with foreign tech companies, educational institutions, and governments to exchange knowledge, technology, and best practices in IT.⁵

Attention and Changes in the IT Field in Uzbekistan

Results.

Uzbekistan has been actively focusing on developing its IT sector in recent years, with significant attention and changes taking place. Here's a breakdown of key aspects:

1. Government Initiatives and Support:

Digital Uzbekistan 2030 Strategy: This ambitious plan aims to transform Uzbekistan into a regional digital hub, focusing on:

Digitalization of public services: Simplifying access to government services and improving efficiency.

³ Accurately Cognising the Digital Economy and Facilitating Its Healthy and Sustainable Development in China 2022 / Xuefan Wang, Jinyi Shi, Zhikai Wang

⁴ DIGITAL ECONOMY IS A SHORT WAY TO PROGRESS 2022 / Sh Yo'doshmaxmudov

⁵ EVALUATION OF THE DYNAMICS OF THREATS OF DIGITAL TRANSFORMATION TO OPTIMIZE THE MANAGEMENT OF ECONOMIC SYSTEMS 2020 /Nikolina I. I., Hulivata I. O., Kopniak K. V.

Development of IT infrastructure: Building high-speed internet connectivity and data centers.

Innovation and entrepreneurship: Fostering a vibrant startup ecosystem and attracting foreign investment.

Digital literacy: Increasing digital skills among the population.

Tax breaks and incentives: The government offers tax breaks and incentives to IT companies, attracting foreign investment and boosting local businesses.⁶

Focus on education: Universities are establishing IT-related programs and courses, building a skilled workforce.

Creation of IT parks: Establishing special economic zones with favorable conditions for IT companies.

2. Growth and Development:

Increasing IT sector contribution to GDP: The IT sector's contribution to GDP has been steadily increasing, indicating its growing importance in the economy.

Rise of software development companies: Uzbekistan has seen an increase in the number of software development companies, both local and international.

Growth of the startup ecosystem: Several startups are emerging, particularly in the fintech, e-commerce, and education sectors.⁷

Increased adoption of technology: Businesses are increasingly adopting cloud computing, artificial intelligence, and other technologies.

Discussion.

Challenges and Opportunities:

Talent shortage: Despite government initiatives, there's still a shortage of skilled IT professionals, especially in specialized areas.

Access to funding: Startups often struggle to secure funding, hindering their growth and innovation.

Limited access to global markets: Uzbekistan's IT sector still needs to establish a stronger presence in international markets.

Digital divide: Access to internet and technology varies across the country, hindering inclusive digital development.

Key Areas of Focus:

E-commerce: The government aims to develop a robust e-commerce ecosystem, encouraging online retail and supporting local businesses.⁸

Fintech: Uzbekistan is promoting the development of fintech solutions, aiming to improve financial services and access.

Artificial Intelligence (AI): The government is investing in AI research and development, aiming to leverage this technology across various sectors.

Cybersecurity: Addressing cybersecurity concerns is crucial for the development of a secure and trustworthy digital environment.⁹

⁶ THE IMPORTANCE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE DEVELOPMENT OF THE DIGITAL ECONOMY 2022 / Saidov F.F.

⁷ THE IMPACT OF DIGITAL TECHNOLOGIES ON HUMAN RIGHTS 2020 / Khamdamova Firuza

⁸ Transformation of University Libraries During the Digital Era 2020 / Ruslan A. Baryshev, Irina A. Tsvetochkina, Olga I. Babina, Elena N. Kasyanchuk, Margarita M. Manushkina

⁹ ORGANIZATIONAL MECHANISMS FOR IMPROVING THE ELECTRONIC HEALTH SYSTEM IN UKRAINE 2021 /Makarenko M.V.

Conclusion.

The IT landscape in Uzbekistan is undergoing exciting transformation driven by government initiatives, investment in infrastructure, and a vibrant startup ecosystem. As these changes continue, Uzbekistan aims to establish itself as a key player in the global IT market, enhance its digital economy, and improve the overall quality of life for its citizens through technology. Such developments hold the promise of a more prosperous future, characterized by innovation and economic growth.¹⁰

Overall, the IT sector in Uzbekistan is experiencing a period of significant growth and transformation. The government's commitment to digitalization, coupled with the rising entrepreneurial spirit, is driving innovation and progress. However, addressing challenges like talent shortage and access to funding will be crucial for continued success. The future of the IT sector in Uzbekistan is promising, with the potential to contribute significantly to economic development and societal progress.

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¹⁰ DIGITAL ECONOMY IN THE RUSSIAN FEDERATION. PROBLEMS AND PROSPECTS FOR DEVELOPMENT 2021 / Vinokurov Ilya Valerievich