Digital Landscape and Good Practices in Uzbekistan: Opportunities for Collaboration

2023, Tashkent
The current state of the digital landscape in Uzbekistan

In order to accelerate the process of digitalization of the economy in Uzbekistan in recent years, a number of regulatory documents have been adopted that are aimed at a deep transformation of the economy, industry and society through digital technologies. In particular, the Strategy “Digital Uzbekistan-2030”, as well as these issues are reflected in the “Strategy of Action on the five priority areas of the Republic of Uzbekistan for 2017-2021” and “New Development Strategy of Uzbekistan for 2022-2026”.

Developing the field of information technology in the country, we have repeatedly returned to the same idea — to become a regional IT hub and turn into a competitive global player in the field of ICT. In reality, this is a very difficult task, but it can be done. To this end, in recent years, active work has been carried out to attract large foreign IT companies and experts in this field, a number of measures are being implemented to improve the attractive image of Uzbekistan in the international arena.

In recent years, the digital economy has been growing at an unprecedented pace, which is largely due to the continuous development of digital technologies and the increasing use of these technologies by enterprises and individuals. This growth is driven by a number of factors, including the development of new digital infrastructure, the availability of digital devices and services, as well as the growing popularity of online activities.
Infrastructure in numbers

Mobile Coverage

<table>
<thead>
<tr>
<th>Year</th>
<th>Mobile Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>99%</td>
</tr>
<tr>
<td>2022</td>
<td>98%</td>
</tr>
</tbody>
</table>

Broadband Mobile Internet Coverage

Exports in million USD

<table>
<thead>
<tr>
<th>Year</th>
<th>Exports of ICT services</th>
<th>Export of computer programming services</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>15</td>
<td>123</td>
</tr>
<tr>
<td>2022</td>
<td>269.3</td>
<td>306</td>
</tr>
</tbody>
</table>

$368.8 mln have been implemented in telecommunications infrastructure

SERVICES RENDERED BY ECONOMIC ACTIVITY “INFORMATION AND COMMUNICATION” (TRILLION SUMS)

<table>
<thead>
<tr>
<th>Year</th>
<th>Services Rendered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>13.9</td>
</tr>
<tr>
<td>2022</td>
<td>22.9</td>
</tr>
</tbody>
</table>

Fiber-optic communication lines (thousand, km)

<table>
<thead>
<tr>
<th>Year</th>
<th>Fiber-optic communication lines (thousand, km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>26.6</td>
</tr>
<tr>
<td>2019</td>
<td>36.6</td>
</tr>
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<td>2021</td>
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EXPORTS OF ICT SERVICES

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EXPORT OF COMPUTER PROGRAMMING SERVICES

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</tr>
</tbody>
</table>

SERVICES RENDERED BY ECONOMIC ACTIVITY “INFORMATION AND COMMUNICATION” (TRILLION SUMS)

<table>
<thead>
<tr>
<th>Year</th>
<th>Mobile communication network</th>
<th>Telecommunications infrastructure</th>
<th>Software development environment</th>
<th>Data centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>28.6</td>
<td>208</td>
<td>92.2</td>
<td>40</td>
</tr>
<tr>
<td>2022</td>
<td>29.6</td>
<td>118.6</td>
<td>79.2</td>
<td>28.6</td>
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<td>170</td>
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</tbody>
</table>
Uzbekistan is thoroughly developing spheres as electronic government to facilitate obtaining the necessary documents for citizens, as well as increase the openness and transparency of the work of public authorities.

Moreover, developing the field of information technology in the country, we have repeatedly returned to the same idea — to become a regional IT hub in Central Asia and turn into a competitive global player in the field of ICT.

More than 60 foreign companies has been opened and expanding in Uzbekistan, including: EPAM Systems, iTechArt, Wargaming, IThub, Geointellect and Prow.

The E-Government Development Index (EGDI) is compiled by the Department of Economic and Social Affairs of the UN Secretariat based on the indicators of three sub-indices: the development of online public services, telecommunications infrastructure and human capital development.
Xalq Nazorati (Public Control)

An interactive service for effective cooperation between residents of the city and employees of public services in Tashkent.

23118
Registered Users

39014
Total Resolved Problems

Performance of Local Sectors in Tashkent

<table>
<thead>
<tr>
<th>Sector</th>
<th>Unsubscribed</th>
<th>Resolved</th>
<th>In Process</th>
<th>Outdated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction and Development of Communications</td>
<td>1130</td>
<td>12776</td>
<td>277</td>
<td>1508</td>
</tr>
<tr>
<td>Housing and Communal Services</td>
<td>507</td>
<td>22738</td>
<td>3465</td>
<td>1207</td>
</tr>
</tbody>
</table>
Unified Portal of Interactive Public Services (my.gov.uz)

**Features** | **Numbers**
--- | ---
Registered users | 4 million
Services rendered | 10,2 million
Saved budget by citizens | 40 billion sums
E-government services | 165
Services online | 370

Availability of 10 percent discounts on utility bills and 50 percent for disabled people of groups I and II;

Availability of feedback from citizens using the Call Center via short number 1242, email and social networks;

Ability to identify and pay debts on taxes and fines;

Making electronic payments for about 100 utility and government services;

Formation of all documents in the prescribed manner with a secure QR code;
MyID ecosystem

MyID provides genuine identification and authentication of individuals by unique biometric parameters of a person in order to provide them with authorized access to banking and other services both remotely and in person.

MyID was recognized by the European Bank for Reconstruction and Development as the best digitization project in Central Asia in 2021.

The system is certified for compliance with the information security requirements of the Republic of Uzbekistan

Recognition by iBeta: The MyID system has successfully passed the testing for compliance with the requirements of ISO 30107-3 standard.

MyID became the winner in the nomination "Best Biometric Identification Project 2022"

The processing of personal data of individuals is carried out in strict accordance with the legislation of the Republic of Uzbekistan
“Virtual Atlas Anatomiyasi” is innovative electric studying set based on virtual reality, intended to teach human anatomy in an easy and interactive way. Equipment is designed to teach in three languages: Uzbek, Russian and English. Collaborated with professors and students to ensure practical efficiency of the equipment.

**Capabilities of the Equipment**

- **Graphics**
- **Animation**
- **3D model**
- **Audio voice**
- **Theory**
- **Practice**

**Textbooks used for theoretical part**

**Uzbek**
- Akmal Ahmedov
- «Odam anatomiyasi»

**Russian**
- М. Р. Сапин, Г. Л. Билич
- «Медицинское информационное агенство»

**English**
- Richard L. Drake, A. Wayne Vogl and Adam W. M. Mitchell
- «Gray’s Anatomy for Students»

Number of universities implemented: 5
ONE MILLION UZBEK CODERS - 
As a step towards the development of the IT field in Uzbekistan

Organizers:

**F.A.Q.**
- "One million Uzbek coders" initiative will continue regularly;
- The platform operates in English and Uzbek languages;
- The course can be studied through a mobile phone;
- You can register for courses as a teacher or student

**OPPORTUNITIES**
- Online certificates
- Online forums
- Job opportunity
- Grants

**STUDY AREAS**
- Data analysis;
- Android app development;
- Web app development;
- Full-cycle development.

**REQUIREMENTS**
Over 13 years old (regardless of education level)

**COURSE STRUCTURE**

1st stage
2 weeks
20 study hours
In 3 months

2nd stage
10 weeks
100 study hours
In 6 months

Final assessment exams (every three months)

Grants of “NANODEGREE” (150 pieces)

**COURSE RESULTS**

2.5 million people
• people have registered

1.55 million people
• people have completed the first stage

1.17 million people
• received a certificate of completion
"ICT WEEK Uzbekistan-2023": Conclusion and results

Important events

- "Digital government - government for people" summit
- Startup Summit
- "ICT Expo Uzbekistan" exhibition
- Launch of IPv6 Council of Uzbekistan
- “IT Education Forum”
- "Future of artificial intelligence and global integration" summit
- The forum of the WB: “E-commerce market in Uzbekistan”
- “Empowering Women in IT: Leading the Digital Revolution”
- "Uzbekistan - Korea ICT Business Cooperation" forum

City: Tashkent
Location: CAEx Uzbekistan Expocenter
Time: 24-27 October, 2023

"ICT Expo Uzbekistan" exhibition news

- An opportunity for mobile subscribers to use the services of the mobile operator of their choice while keeping their mobile numbers
- "Mukhlisa" national artificial intelligence
- New version of website my.gov.uz
- Opportunities and prospects for the MyID ecosystem
- Student card of “Aloqa Bank”
- Face ID payment system
Opportunities for collaboration between Uzbekistan and other SPECA countries

- Though in Afghanistan number of internet users is remaining low, Uzbekistan is able to share experience on expanding internet connection through the country and developing e-governance.

- Azerbaijan implemented “Azerbaijan Digital HUB” to turn the country into regional digital center and to develop digital economy, which ally with the intentions of Uzbekistan, hence it serves as opportunity for collaboration.

- Between Uzbekistan and Kazakhstan was signed “Protocol of Intent” for cooperation in the spheres such as development of electronic government, including the introduction of electronic government services, exchange of experience for increasing the export potential in the field of ICT and joint promotion of projects in the international arena.

- Kyrgyzstan and Uzbekistan are working on digitalization of customs procedures, integration to the international system "e-TÍR", and joining Kyrgyzstan to the project "digital TÍR" that was launched between Kazakhstan and Uzbekistan in 2020.

- Turkmenistan and Uzbekistan may cooperate on developing electronic medical document management, electronic health information exchange standards and artificial intelligence in health care.

- Tajikistan is seeking to develop e-governance and digital economy, where Uzbekistan is also thoroughly working and possible fields for further cooperation.
Bunyod Rakhmatullayev
Deputy Director General of the National Office of Innovation Implementation and Technology Transfer, Uzbekistan.
100174, Toshkent city, Olmazor district, Universitet street, 7
+998 (71) 203-32-00
b.rakhmatullaev@mininnovation.uz