

INFORMATION TECHNOLOGIES AND COMMUNICATIONS
METROLOGICAL SERVICE

Xomidov Xushnudbek Rapikjon ugli

Kokand branch of Tashkent State Technical University, assistant

Bakhriddinova Dilnora Sharifjon kizi

Kokand branch of Tashkent State Technical University, student

Xusanova Sarvinoz Alisher kizi

Kokand branch of Tashkent State Technical University, student

Annotation: The article discusses the impact of information technology and communications on the metrology service, which is responsible for providing accurate measurements and standards for scientific and industrial purposes an.

Keywords: forecasting, ICT sector, Meteorological Service

Uzbekistan is a landlocked country located in Central Asia. It is known for its rich culture, stunning architecture, and delicious cuisine. In recent years, Uzbekistan has made significant investments in information technologies and communications, as well as meteorological services, in order to modernize and improve its infrastructure.

Information Technologies and Communications

Its digital infrastructure to meet global standards. The country aims to become a leading center of the digital economy in Central Asia and beyond. The government is encouraging the expansion of e-commerce, using information technologies to improve public services, and facilitating the digital transformation of businesses.

One of the main initiatives of the Uzbek government is the development of a national data center. This center will provide secure storage and management of important data, such as government documents, financial records, and personal information. It will also serve as a hub for cloud computing services, increasing access to computing resources for businesses and individuals alike.

Uzbekistan is also investing in the expansion of its telecommunications infrastructure. The country has a well-developed fiber-optic network, which is being expanded to enhance internet connectivity and improve access to information and communications technology services. Uzbekistan's telecommunications market is dominated by three major companies – Uzbektelecom, Ucell, and UzMobile – all of which are working to improve the quality of their services and expand their coverage across the country.

Another important development in Uzbekistan's ICT sector is the growth of the startup ecosystem. Several technology parks have been established in Tashkent, the capital city, and other regions. These parks provide incubation, acceleration, and

investment services to startups, as well as access to mentors, training programs, and networking opportunities.

Meteorological Service

Uzbekistan is also investing in its meteorological service to improve its ability to predict and respond to natural disasters. Uzbekistan is prone to a range of natural disasters, including earthquakes, droughts, landslides, and floods. In recent years, the country has experienced more frequent and severe disasters, which has highlighted the need for better meteorological information and forecasting.

In response to these challenges, the Uzbekistan government has launched several initiatives to modernize its meteorological service. The country is adopting the latest weather monitoring technologies, including automated weather stations, satellite imagery, and radar systems. Uzbekistan is also partnering with neighboring countries and international organizations to share data and expertise, and to collaborate on the development of early warning systems and disaster response plans.

As part of these efforts, Uzbekistan has also established a national center for hydrometeorology, which is responsible for collecting, processing, and analyzing meteorological data and providing forecasts and warnings to the public. The center also conducts research into climate change and other environmental challenges, and works to improve public awareness and education about the causes and impacts of natural disasters.

Conclusion

Uzbekistan is making significant investments in information technologies and communications, as well as meteorological services, to modernize its infrastructure and improve its ability to respond to natural disasters. These initiatives are designed to position Uzbekistan as a leading center of the digital economy in Central Asia and to provide its citizens with access to reliable and accurate weather information. As Uzbekistan continues to develop and expand its ICT sector, it is generating new opportunities for innovation, entrepreneurship, and economic growth.

LIST OF USED LITERATURE

1. Authors: I.Kh. Siddikov, Kh.A.Sattarov, O.I.Siddikov, X.E.Khujamatov, G.N. Suleymanova, D.T.Khasanov, Sh.B.Olimova © Tashkent University of Information Technologies Tashkent 2018 Metrologiya, Standartlashtirish va Sertifikatlashtirish
2. Metrologiya asoslari. Ismatullayev P. Qodirova Sh
3. Metrologiya, Standartlashtirish va Sertifikatlashtirish A . A. Qurbanov
4. http://ilmiy.bmti.uz/blib/files/Metrologiya,standartlashtirish_zaroalmashinuvchanlik.pdf va