

DIGITAL GOVERNANCE STRATEGY IN THE DEVELOPMENT OF THE NEW UZBEKISTAN

Эркин Кулдашев

Associate Professor of the Department of Information Technologies

Кудраджон Абдусаматов

Master of the Andijan Institute of Mechanical Engineering

ABSTRACT

This article discusses the purpose, objectives, importance of digital management and its contribution to the development of new Uzbekistan. The "Information and Resource Center" was chosen as the object of research, opinions and proposals on the advantages, convenience and effectiveness of its digital management are substantiated.

Key words: digital management, information resource center, informatization, automation, motivation.

Continuous and systematic development of the new Uzbekistan in all aspects, that is, socio-economic and technical-technological issues, is very relevant today. One of the ways to successfully solve this urgent problem is the digital management of all enterprises and organizations of Uzbekistan.

President of the Republic of Uzbekistan Shavkat Mirziyoyev. The "Address to the Supreme Assembly and the People of Uzbekistan" dated December 20, 2022 stated that "... our population has exceeded 36 million. Every year, almost 900,000 new generations are added to the population... As a result of our large-scale and effective reforms, the gross domestic product exceeded \$20 billion for the first time. ... Now I want to focus on prioritizing the task for 2023." In his address, the President of Uzbekistan called for the transition to a compact and effective system of public administration, the construction of the New Uzbekistan on the principles of a social state, the fact that the environment, especially water issues, are becoming a global problem, the introduction of market mechanisms, local and foreign investments in the economy. [1] The role of digital governance in effectively addressing these priorities is invaluable. Digital management is a modern, multifaceted, highly effective tool that helps people improve all their activities. Today, digital governance is becoming the main criterion for the success of the social and economic spheres. There is no consensus on digital management among scientists and specialists. Therefore, as a result of our research, we found it necessary to give the following definition of digital management.

"Digital management is an electronic system for obtaining optimal results based on marketing, information technology, innovation, automated application packages and employee activation." However, the issues of digital management have not been fully studied by managers and specialists of enterprises and organizations. To organize digital governance in enterprises, they should consider the following issues:

- Marketing management;
- Organization of the use of information systems;

- Organization of innovation management;
- Implementation of automated control systems.
- Effectively use the activities of employees on the basis of motivation (activation).

It is very difficult to fully implement the above issues. For this reason, we limited ourselves to the study of the use of information systems, which are the basis of digital management, and the development of a digital control algorithm.

The algorithm of the above-described digital control is as follows:

$$R_b = I_m * I_{at} * I_{yes} * I_x * I_i \quad (1)$$

In here:

R_b - digital control;

I_m - индекс маркетинга;

I_{AT} - Index of Information Technologies;

I_{ja} - Process Automation Index;

I_x - employee motivation index;

I_i is the Innovation Index.

In this article, we will confine ourselves to the study of information technology and the development of a digital control algorithm that is described by the first formula (1).

The Law "On Informatization" of the Republic of Uzbekistan defines informatization as follows: "Informatization is an organizational process, socio-economic and scientific-technical means of creating conditions using information resources, information technologies and information systems to meet the information needs of the population, legal entities and individuals." [2].

The organization of digital management requires the rational use of tools and resources that are part of information systems.

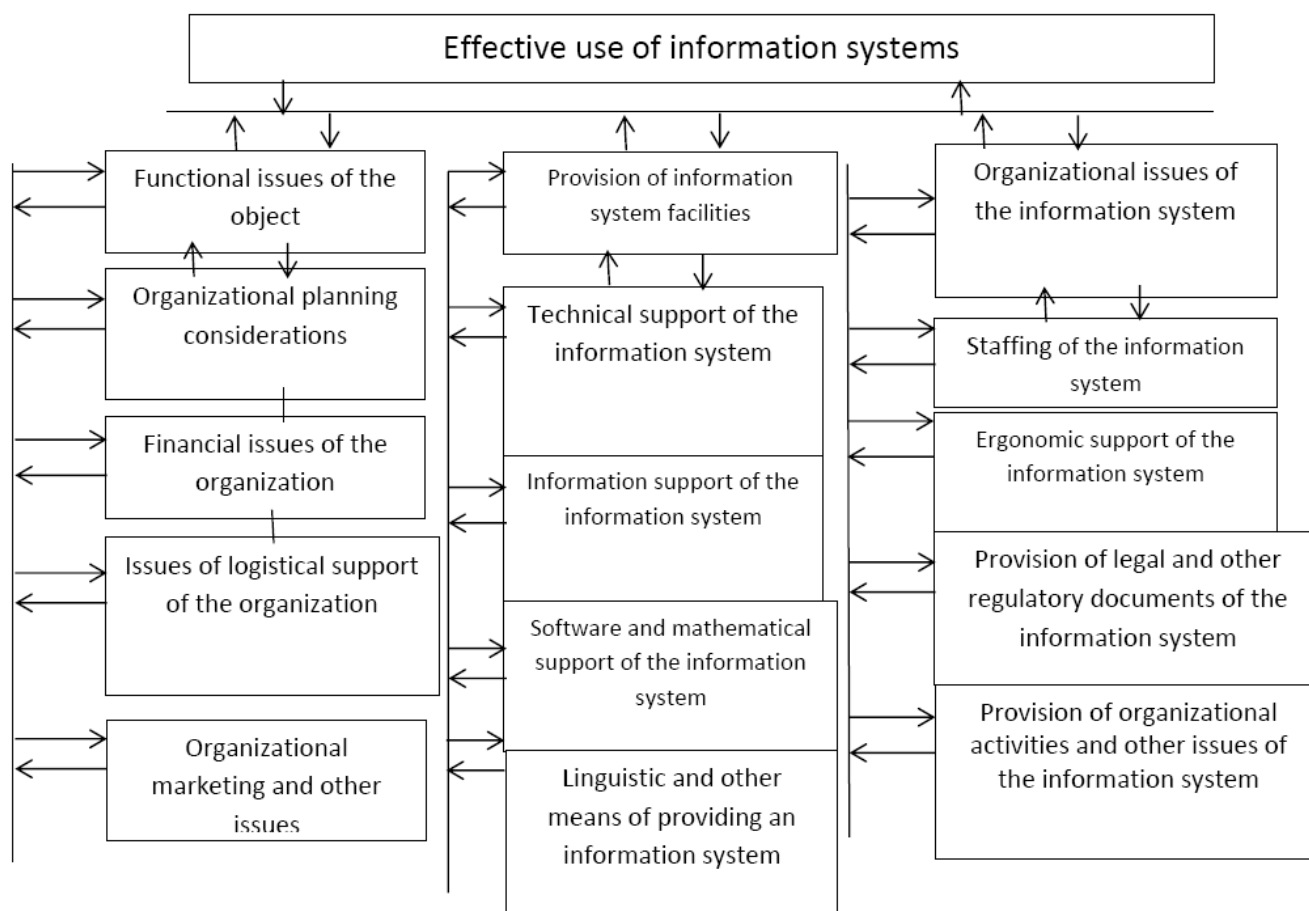


Figure 1. Effective use of information systems

As can be seen from the first drawing, we will study the information security of an information system, which is the main component of the effective use of information systems.

Effective use of information systems is necessary for the successful implementation of digital governance. As stated in the Law on Informatization of the Republic of Uzbekistan: "The state policy in the field of informatization is to create a national information system taking into account modern world principles of development and improvement of information resources, information technologies and information systems." [2]. To create a national information system, it is necessary to create information systems of each district (city), region and other structural units of New Uzbekistan at the level of need and logically connect them.

As is known from the experience of developed foreign countries and the research of scientists (academicians Vasil Kabulov, Murad Sharifkhadzhayev, Nodirbek Yusufbekov, S.S. Gulomov, F.B. Abutaliev, etc.) Therefore, we devoted this article to the issue of digital management of information resource centers.

Any economic indicator can be processed. To do this, you need to determine its algorithm:

$$IK=N*Q \quad (2)$$

In here:

-IK - economic indicator;

-N - the name of the economic indicator;

-Q - the value of the economic indicator;

$$H=p*n \quad (3)$$

In here:

-H is the number of cases, that is, the case in the economic indicator;

-p is the base of the number system;

-n- the number of bits (symbols) in the information.

As can be seen from the above formulas (2) and (3), any economic indicator can be processed on modern electronic computers and get the optimal result.

Table 1 Resource requirements by component

Indicators of the Information and Resource Center of Andijan region

No	Indicators	%(score)
1	Number of readers, people.	300 pcs
2	Number of computers, pcs.	63 pcs
3	Number of servers, pcs.	3 pcs
4	Number of programs used to solve library problems, pcs.	3 pcs
5	Average annual expenditure on information and communication technologies (ICT), thousand soums	60 million soums
6	Number of readers using computers, people.	100 pcs
7	The total number of books.	more than 880 thousand, pcs
8	Total number of e-books.	more than 300 thousand, pcs

We compared the indicators of the information and resource centers of the district and the city of the Andijan region with the parameters of the regional information and resource center presented in Table 1. Using formulas (5) and (6) in the analysis, we determined the levels of digital management of information resource centers.

$$R_i = (5) \frac{x_{max} - x_{min}}{5}$$

$$I_j = (6) \frac{\sum B_{ij}}{n}$$

R_i - Level of digitalization of the information resource center;

B_{ij} - score (score) of the j-th object on the i-th indicator;

X_{max} and X_{min} – the largest and smallest values of the indicators;

I_j — индекс j-го объекта.

As a result of system comparative analysis, the information and resource centers of our region were divided into five groups. The first group included information and resource centers in Andijan, Khanabad and Markhamat district. The second group includes information and resource centers "Shahrikhan", "Bulokboshi", "Asaka" and "Shirmonbulok". The third group includes information and resource centers Oltynkul, Kurgantepa and Balykchi. The fourth group includes Khojaabad and Zhalakuduk information and resource centers. The Buston and Ulughnor Information Resource Centres were divided into a fifth group according to the level of digital governance.

To increase the level of digital management of information resource centers of Andijan region, it is necessary to implement the following:

- Development of the material and technical base of information and resource centers;
 - Provision of computer systems, software and network servers that implement digital control at the demand level;
 - Increasing the level of knowledge and skills of digital management of readers and employees of the information and resource center;
 - Organization of a local computer network of the Information and Resource Center and creation of the necessary conditions for the use of readers;
 - Material, moral and spiritual encouragement of employees of the Information and Resource Center, depending on the results of work in digital management;
 - Increasing the level of culture of readers and employees of the information and resource center.
- If the above is systematically and consistently implemented, as a result, digital governance will develop, this will become the basis for the socio-economic development of the Andijan region.

REFERENCES

1. Mirziyoyev Sh.M., President of the Republic of Uzbekistan, "Address to the Supreme Assembly and people of Uzbekistan", December 20, 2022, Tashkent
[https://review.uz/uz/post/President-President of the Republic of Uzbekistan-Shavkat-Mirziyoyev-2023-contact-full-text](https://review.uz/uz/post/President-President%20of%20the%20Republic%20of%20Uzbekistan-Shavkat-Mirziyoyev-2023-contact-full-text)
2. "Law on Informatization" of the Oliy Majlis of the Republic of Uzbekistan December 21, 2021 Tashkent.
3. Decree No PF-6079 of the President of the Republic of Uzbekistan "On approval of the strategy "Digital Uzbekistan - 2030" and measures for its effective implementation". Tashkent.: 2020
4. Kuldashev E., Abdusamatov K. Fergana industry conference TUTI "Modern problems and ways to solve them in the field of information and communication technologies and telecommunications". "Digital Management of Information and Resource Centers" 2022
5. Kuldashev E., Abdusamatov K. Conference complex "Innovative technologies, IT-technologies and problems and solutions of labor protection in production", held at the Andijan Institute of Mechanical Engineering. "Effective use of information systems is the basis for the development of the new Uzbekistan" 2022