

Analysis on Promoting Urban Government Management Innovation of “Digital City”

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Abstract: In the construction of digital government, we have adopted such practical measures as issuing a rolling and progressive digital government plan, issuing relevant policies and regulations, establishing a perfect digital security protection system, promoting digital opening-up and internal management, paying attention to citizen participation and building a digital platform for citizen participation in politics.

Keywords: Digital Government; Government Digital Transformation; Digital City; Digitalization

Introduction

Improving the digitization, legalization and systematization of social governance emphasizes “pluralistic co-governance” and “democratic consultation” and its goal is “co-construction, co-governance and sharing”. The premise is to adhere to the Party’s leadership. It reflects the governance with command and objectives, mobilizes the active participation of multiple subjects in the whole society, and is holistic, collaborative and systematic governance. Under this governance model, national governance needs to work hard on how to mobilize other governance subjects to participate in governance and improve governance capacity.

1. Digital urban government management is the inevitable trend of development

The operation management department of the government brings convenience to the citizens when operating the digital city. The citizens can complete various matters on the mobile terminal without leaving home. Through the establishment of digital medical treatment, citizens’ electronic archives can be formed to bring convenience to citizens for medical treatment. Urban infrastructure construction includes gas, pipeline, transportation, power grid, water network and other infrastructure. The application of digital city operation mode can promote flexible manufacturing and agile manufacturing, and promote the transformation and upgrading of manufacturing industry. In the field of trade, applying the Internet to build an e-commerce platform can vigorously develop e-commerce industry and logistics industry and reduce logistics operation costs. The development of modern digital technology promotes social transformation and makes people’s life better ^[1].

1.1 Changing urban development direction

Digital city is a new concept of urban development. The use of digital technology, cloud computing, Internet of things, broadband digital technology and digitization can change the past urban development model from high-speed urban growth to quality growth.

1.2 Accelerating urban transformation and development

In the direction of digital city development, we can use high-tech technology to improve the level of urban operation and maintenance management, promote the innovative development of urban management and promote the efficient operation of the city. Domestic government departments should establish digital cities as one of the important development engines of

cities. Digital cities can handle the stock, change the operation mode of traditional industries in the past, and help to promote the improvement of product benefits. Domestic government departments should establish digital cities as one of the important development engines of cities. Digital cities can handle the stock, change the operation mode of traditional industries in the past, and help to promote the improvement of product benefits. Development increment is the main content of urban construction and development at present. It can use digital technology industry to promote new social and economic growth points ^[2].

2. Countermeasures of promoting urban government management

innovation of “digital city”

2.1 Promoting digital technology vigorously

We should vigorously expand the domestic intelligent service industry, optimize and improve the supporting infrastructure of digital city construction, gradually promote the intelligent development of different service fields in the city, and apply the digital platform to benefit a number of industrial services in the city. At the same time, we will vigorously promote the construction of e-commerce platforms and the application of various digital technologies, gradually establish and improve the service system, establish a national credit management system and a logistics network platform, strengthen the popularization of digital life, and build a digital operation service system in key areas of people’s livelihood, such as national medical insurance, education and health care so as to bring more convenient life services to citizens. We should vigorously promote the construction of e-government service system and gradually promote urban development planning and intelligent development. We will bring urban management into the intelligent management of public security, build a public security monitoring system, realize the intelligent processing of various government affairs, vigorously promote the digital construction of the government’s internal network, and promote the development and construction of e-government system ^[3].

2.2 Maintaining safety

We should establish and improve the digital security technology system, including network security platform monitoring, application of cryptographic algorithms, use of security chips and application of reliable secure digital management terminals. At the same time, it is also necessary to formulate a security risk response management mechanism in combination with the current new business and new technology. We also need to build a security early warning system, a digital protection system and a network trust system. In order to improve the security of digitization within the digital city, we should also enhance the emergency handling ability, information acquisition ability and monitoring ability of administrative departments, establish remote disaster recovery management center and build a perfect disaster recovery system. In some important administrative units, we should set up multi-level security and confidentiality mechanisms, build data centers, and strengthen the implementation of digital authentication and other related work. We should establish a digital management platform, set up data encryption and establish a firewall on the system platform to prevent criminals from invading the system. In the construction of digital platform, different personnel should be given management authority. For urban operators, the access authority of digital urban database should be divided according to the management scope of their department ^[4].

3. Constructing a people-centered digital governance concept

We should change the traditional concept of government governance and strengthen the sense of purpose of serving the people. When providing public services, the government should implement the people-centered governance thought. Government service personnel should follow the trend of the “digital” era, change the traditional concept of government affairs, always keep in mind the purpose of “serving the people”, actively publicize, promote the “digital government” to the people in action to improve their ability and quality of serving the people, and continuously improve and optimize public services. For example, the “run once at most” reform in Zhejiang Province provides a lot of reference experience for China’s

local governments. Since 2017, Zhejiang Province has carried out the “run once at most” reform, and its “digital government” construction is ahead of all parts of the country. “Run once at most” specifically means one window acceptance and integrated service. If the people come to the government department for work, they only need to simply hand over the materials to the comprehensive window, and the administrative comprehensive service center will be responsible for the overall planning and transfer according to the responsibilities according to the situation of the people [5].

4. Digitization of governance units

Compared with simple and planar rural areas, modern cities are a physical space with a high concentration of population, resources and various elements. Various relationships and structures are intertwined. The governance objects are different and coincide in the dimensions of space, time and management. “Space may play a decisive role in the process of establishing a certain totality, a certain logic and a certain system.” In the spatial dimension, people, things and objectives in cities are divided according to geographical boundaries, and the corresponding governance units can also be directly observed and measured. For example, taking the urban community or management grid as the basic governance unit, the whole urban space will be divided into large and small communities or grids. Each governance unit has similar governance attributes and functions, which can be accurately identified, digitized the basic data of length, width and height, and then accurately measured and complex calculated. In the time dimension, the urban governance unit is homogeneous and uniform. It is a hierarchical parallel unit formed according to the flow of natural time, which comprehensively shows the rules of the beginning, continuation and switching of urban governance activities. According to Parsons, physical time is the relationship between different events in parallel space, which is dynamic and relatively static. According to the logic of physical time, the size of each governance unit is completely consistent, the governance object and capacity are relatively fixed in a short time, and the governance power and its resources are differentially configured according to the operation of time. According to the organizational logic of bureaucracy, the governance unit is determined by the division of labor of administrative organs and their functional departments, and the governance power, resources and corresponding governance responsibilities are distributed through “articles” and “blocks”. Starting from the “article”, the governance unit is the coverage of the responsibility scope of the “article” department. Its governance boundary is defined by taking the matter as the center, and different governance units often overlap highly. Starting from the “block”, the governance unit is delineated with the administrative division as the boundary, and is formed according to the administrative level from top to bottom. For example, in the urban four-level system management of “city-district-street-community”, the upper level governance unit is a simple addition of the lower level governance units. Digital driven urban governance is data-centered. Massive data carries the governance will and power, changes the logic of governance power and resource allocation in the past, promotes the integration of multi-dimensional governance units, improves the clarity of the boundary of governance units, and makes it easier to calculate the governance units and their governance capacity. Digital driven urban governance mainly determines the governance unit through the data and operation of governance objects and urban components, so as to delimit the boundary of governance unit more accurately.

Conclusion

The in-depth application of digitization in the field of urban governance promotes the digitization of governance units, the clarity of governance subjects, the flattening of governance levels and the quantification of interaction intensity, and improves the agility of urban governance, so as to quickly and efficiently respond to various urban governance needs or problems, and effectively respond to the contradiction between the complexity of urban governance needs and the fragmentation of governance. Digital driven urban governance reform is a quiet revolution. Administrative organizations still maintain the original division of labor, specialization and operation mechanism. The application of digital technology in urban governance has promoted the formation of an integrated and centralized urban governance mechanism through data and its corresponding modern digital technologies, which is effectively solving the problem of fragmentation of urban governance. It should be noted that the surging digitization and the application of digital technology are matter centered. Only the governance objects or problems that can be digitized can be incorporated into the digital platform for further

processing and calculation.

References

- [1] S. Wang, Review and Prospect of Information Technology Reform and Government Management Innovation in New China in the Past 70 years, *Journal of Southwest University for Nationalities*, 2019,40(08):8-15.
- [2] Z. Xu, Study on the Innovation of Government Management Mechanism in the Construction of Smart City. East China University of Political Science and Law, 2019.
- [3] D. Yan, Study on the Innovation and Problems of Government Management under the Perspective of “Internet plus”. Shandong University, 2019.
- [4] J. Li, Study on the Promotion of Digital Urban Management in Lanzhou. Lanzhou University, 2019.
- [5] S. Wang, Study on the Influence of Intelligent Technology on Government Management. China Agricultural University, 2018.

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