

Exploration of Innovative Paths in Administrative Management of Public Institutions in the Information Age

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Abstract:

With the rapid development of information technology, the administrative management of public institutions is facing a series of innovative opportunities and challenges. This article briefly elaborates on the connotation and functions of administrative management and its key role in the operation of public institutions. It discusses the necessity of administrative management innovation in the face of increasing public expectations for service quality, deviations in information transmission processes, and pressure brought about by information technology changes. Analyze the difficulties encountered in pursuing administrative management innovation in public institutions, such as weak technical foundations, the ability gap between management personnel and technical talents, and the constraints of laws and regulations. Targeted strategies have been proposed to address these issues, including upgrading hardware equipment, optimizing network conditions, strengthening personnel training and cultural construction, and improving the policy and regulatory system. By adopting these strategies, public institutions will be able to effectively respond to the challenges of the information age, improve their management level and service quality.

Keywords:

Information Age, Government-Affiliated Institutions, Administrative Management, Management Innovation, Law and System

1. Introduction

As the wave of informatization sweeps across the globe, the governance model of public institutions is undergoing a profound transformation. The previous management model was unable to cope with the ever-changing external situation and the constantly rising service expectations of the public. The reform of administrative management has become the core way to promote the modernization of public institution management and enhance service efficiency. The widespread use of information technology has improved management efficiency, promoted information

transparency and rational allocation of resources. On the road of promoting information management, public institutions have also encountered difficulties such as weak technological infrastructure, uneven personnel quality, and incomplete legal and regulatory systems. Analyzing the innovative direction of administrative management in public institutions in the information age and proposing practical and feasible solutions are crucial for achieving efficient operation of public institutions and improving the quality of public services.

2. Overview of Administrative Management

2.1. The public's demand for services from public institutions continues to increase

Amidst the rapid economic growth and the wave of informatization sweeping through today's society, the public's expectations for public institutions have skyrocketed. This expected growth is reflected in the upgrading of service quality, response speed, and customized needs. Previously, public institutions adopted outdated management models, with relatively single service targets and forms, and low expectations from the public. With the widespread application of information technology, people can access information more conveniently and quickly through online platforms and social networks, which has put forward stricter standards for service openness and instant feedback. Public institutions need to respond quickly to the needs of the public and continuously improve the accuracy and personalization of their services. With the development of society, the public's demand for services is showing a diversified trend, no longer limited to simple government affairs, but extending to deep level public services in multiple fields such as education, healthcare, and public safety. Facing the diverse needs of different audiences, how to provide more efficient and intelligent services is a major test for public institutions in administrative management work [1].

2.2. Excessive management hierarchy can easily lead to distortion in the process of information flow

In Chinese enterprises and institutions, the administrative management structure usually presents a complex hierarchical setting, which can lead to information variation in the transmission and decision-making of information. Excessive management hierarchy means that information must pass through numerous intermediate layers in the process of reaching senior leaders from lower level employees, and each layer may filter or adjust the information to a certain extent, making the original information gradually vague or even inaccurate in the transmission chain. This situation is particularly prominent when dealing with important decisions and urgent affairs, which can lead to erroneous decisions or delays in processing. In traditional management models, the flow of information relies on paper documents and hierarchical reporting. In an information-based management environment, if management processes and systems are not updated in a timely manner to adapt to new information flow methods, the problem of information distortion is difficult to avoid [2]. Simplifying the management hierarchy and creating a transparent and fast information exchange system has become a key path for administrative unit management reform.

2.3. The pressure for public institutions to adapt to the changes of the information age

With the vigorous development of information technology, public institutions have encountered transformation challenges on the road of administrative management. The rapid advancement of technology has overturned past management models, bringing new demands for changes to the operational mechanisms, operating procedures, and architectural systems of public institutions. In the process of integrating into these reforms, public institutions have to overcome technical difficulties and the pressure of updating internal organizational culture and governance concepts. The advancement of information technology signifies an upgrade in management methods and a profound shift in management philosophy. Under the impact of the wave of information technology, the traditional vertical hierarchical management system has gradually revealed its inherent rigidity, forcing public institutions to shift towards a flat management model, enhancing the efficiency of team collaboration and decision-making flexibility. With the innovation of information technology, public participation has been increased and transparency has been further enhanced. Public institutions are facing more supervision and expectations from all sectors of society [3].

3. The Significance of Innovation in Administrative Management of Public Institutions

3.1. The public's demand for services from public institutions continues to increase

One major problem faced by many public institutions in the digital wave is weak technological foundations. The technology and hardware facilities of many public institutions are aging and unable to keep up with the pace of information technology progress, resulting in low management efficiency. The key hardware facilities such as network equipment, servers, and data storage currently in use cannot meet the growing demand for administrative management work, and the operation of information management systems is hindered. Public institutions lack overall planning in information technology construction, some institutions do not invest enough in technology, information technology software and hardware updates lag behind, and the gap between technological conditions and modern management needs is increasingly deepening. The technological shortcomings in the field of information security have also exposed the weaknesses of public institutions. Due to the lack of cutting-edge security technologies and sound management systems, the information systems of these units are highly susceptible to security risks such as network attacks and data leaks, posing potential threats to their daily operations and decision-making. The backwardness of information facilities and technological means has become one of the key factors hindering the administrative reform of public institutions.

3.2. Excessive management hierarchy can easily lead to distortion in the process of information flow

In the process of promoting digital governance in public institutions, the skill gap between management and technical personnel has become a key factor hindering the pace of innovation. Most managers tend to stick to old management methods and have limited practical skills in modern information technology. When encountering emerging information platforms and tools, they face long learning cycles and poor adaptability. Some managers do not attach enough importance to information management and regard it as an auxiliary means, ignoring the profound significance of improving management architecture and efficiency. This conceptual divergence has

led to numerous obstacles in the implementation of information technology reform. Information experts have acquired rich professional knowledge and practical skills in the IT field, but their understanding of specific business operations and administrative needs of public institutions is not deep enough, making it difficult to achieve efficient collaboration with senior management teams. The mismatch between management and technical personnel capabilities has hindered the smooth progress of information management systems and slowed down the pace of administrative reform in public institutions.

3.3. The pressure for public institutions to adapt to the changes of the information age

In the process of promoting information management innovation, public institutions have encountered legal and institutional difficulties. The current legal norms have not kept up with the pace of information technology development, resulting in numerous legal gaps in the practice of information management. Most of the current administrative management systems are based on traditional management methods and have not fully considered the special needs of information management. The promotion of information management requires corresponding reforms to management processes and systems. The rigidity and lack of flexibility of the current system have become stumbling blocks to information innovation. The rapid development of information management urgently requires the follow-up of relevant supporting policies, such as data sharing systems, network security mechanisms, etc. These are rarely specified and guided in the current management system, which restricts the pace of administrative management reform in public institutions [4].

4. The Problems Faced by Administrative Management Innovation in Public Institutions in the Information Age

4.1. Weak technical foundation

In today's wave of informatization, improving the hardware configuration of public institutions and enhancing the network environment constitute the fundamental guarantee for administrative management reform. Upgrading hardware facilities such as servers, computers, portable devices, and other cutting-edge technological equipment provides solid support for the smooth operation of information systems and promotes the improvement of office efficiency. Optimizing the network environment is crucial and plays a vital role in the process of data exchange and information exchange. A stable and reliable network environment can ensure unobstructed information flow within the organization, preventing task delays or data loss caused by network problems [5]. By increasing investment in basic network infrastructure such as broadband and fiber optic, the operational efficiency of public institutions can be enhanced. Strengthening network security protection to ensure the confidentiality of information materials is an aspect that must be taken seriously under the conditions of informatization. Combining hardware upgrade and network optimization has become a key step for public institutions to move towards efficient information management, laying a solid foundation for technological upgrading and management innovation.

4.2. Strengthen training and establish a positive culture

In today's information society, new problems continue to emerge for administrative managers of public institutions, and relying on upgrading hardware equipment is not enough to meet the needs of management innovation. Strengthening education and creating a positive cultural atmosphere have become key actions to promote administrative management reform. Providing customized education programs for managers at different levels, especially training on the use of information tools and platforms, can help improve their technical abilities and ensure that they do not fall behind the forefront of technology in the wave of information management. Education is not only the transmission of skills, but also the cultivation of thinking awareness. Cultivate an innovative mindset and a positive learning atmosphere, making employees willing to accept new technologies and actively apply them to daily work, enhancing the overall adaptability and flexibility of public institutions. Public institutions need to create an open communication atmosphere, encourage employees to exchange experiences with each other, and build internal learning networks to stimulate more innovative thinking. This positive and uplifting culture will enable managers to be more at ease in the face of technological changes, and promote the development of administrative management in public institutions to a higher level.

4.3. Improve policies and regulations

In the wave of digitalization, the management reform of public institutions urgently needs sound laws and regulations as a backing. The digital management process includes multiple levels such as data collection, processing, and communication, establishing strict data governance standards and privacy protection measures to ensure the legal and secure flow of information within the unit and outside. To build an information sharing system within the organization, relevant regulations need to make specific provisions on management authority and responsibility allocation, promote collaborative work between departments, and prevent the breeding of information silos. Some current legal norms have shown certain limitations in the application of administrative management in the context of the information age, and targeted revisions and supplements to existing regulations are needed. More forward-looking legal provisions need to be introduced in key areas such as data protection and network governance. It is also necessary to establish a sound set of rules and regulations within public institutions to achieve a harmonious connection between management innovation and legal norms, and to create a legal and standardized operating platform for the widespread application of emerging technologies [6].

5. Innovative Paths for Administrative Management of Public Institutions in the Information Age

5.1. Improving hardware facilities and enhancing network environment

In today's wave of informatization, improving the hardware configuration of public institutions and enhancing the network environment constitute the fundamental guarantee for administrative management reform. Upgrading hardware facilities such as servers, computers, portable devices, and other cutting-edge technological equipment provides solid support for the smooth operation of information systems and promotes the improvement of office efficiency. Optimizing the network environment is crucial and plays a vital role in the process of data exchange and information exchange. A stable and reliable network environment can ensure unobstructed information flow within the organization, preventing task delays or data

loss caused by network problems. By increasing investment in basic network infrastructure such as broadband and fiber optic, the operational efficiency of public institutions can be enhanced. Strengthening network security protection to ensure the confidentiality of information materials is an aspect that must be taken seriously under the conditions of informatization. The security and stability of the network are directly related to the effectiveness of information management in public institutions, effectively preventing the risks of illegal intrusion and data leakage. Combining hardware upgrade and network optimization has become a key step for public institutions to move towards efficient information management, laying a solid foundation for technological upgrading and management innovation.

5.2. Strengthen training and establish a positive culture

In today's information society, new problems continue to emerge for administrative managers of public institutions, and relying on upgrading hardware equipment is not enough to meet the needs of management innovation. Strengthening education and creating a positive cultural atmosphere have become key actions to promote administrative management reform. Providing customized education programs for managers at different levels, especially training on the use of information tools and platforms, can help improve their technical abilities and ensure that they do not fall behind the forefront of technology in the wave of information management. Education is not only the transmission of skills, but also the cultivation of thinking awareness. Cultivate an innovative mindset and a positive learning atmosphere, making employees willing to accept new technologies and actively apply them to daily work, enhancing the overall adaptability and flexibility of public institutions. Public institutions need to create an open communication atmosphere, encourage employees to exchange experiences with each other, and build internal learning networks to stimulate more innovative thinking. This positive and uplifting culture will enable managers to be more at ease in the face of technological changes, and promote the development of administrative management in public institutions to a higher level. Placing equal importance on training and cultural construction is the core of achieving innovative transformation in administrative management of public institutions.

5.3. Improve policies and regulations

In the wave of digitalization, the management reform of public institutions urgently needs sound laws and regulations as a backing. The digital management process includes multiple levels such as data collection, processing, and communication, establishing strict data governance standards and privacy protection measures to ensure the legal and secure flow of information within the unit and outside. To build an information sharing system within the organization, relevant regulations need to make specific provisions on management authority and responsibility allocation, promote collaborative work between departments, and prevent the breeding of information silos. The integration of information technology with the current legal framework is an urgent issue that needs to be resolved as soon as possible. Some current legal norms have shown certain limitations in the application of administrative management in the context of the information age, and targeted revisions and supplements to existing regulations are needed. More forward-looking legal provisions need to be introduced in key areas such as data protection and network governance. It is also necessary to establish a sound set of rules and regulations within public institutions to achieve a harmonious connection between management

innovation and legal norms, and to create a legal and standardized operating platform for the widespread application of emerging technologies. Only by continuously optimizing policies and regulations can the administrative management reform of public institutions steadily move forward on a compliant and legal path, ensuring the sustainability and stability of management reform [7].

6. Conclusions

In the wave of digitalization, the management affairs of public institutions are facing unprecedented challenges and opportunities. In order to promote management innovation, public institutions need to deeply integrate information technology, upgrade hardware configuration and optimize network architecture, and ensure the rapid and accurate flow of information. Strengthen the training of managers and technical personnel, cultivate positive management concepts, and help managers at all levels keep up with the pace of informatization. A sound legal and regulatory system provides a solid institutional support for management innovation, which is a key pillar for public institutions to promote information transformation. Public institutions are expected to improve management efficiency, serve the public with higher quality, and move towards a new realm of modern management in line with the rapid development of the information age.

Conflicts of Interest

The author declares that there is no conflict of interest regarding the publication of this article.

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