

Research on Integration of Computer Application Technology and Information Management

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Abstract: The quality of computer application technology and information management integration directly affects the degree of government and enterprise informationization and work efficiency. Strengthening the integration of computer application technology and information management will help to raise awareness of information management and strengthen the construction of information infrastructure, but in the process of integration, it also faces some problems and difficulties. We need to improve from personnel training, information awareness training and infrastructure construction.

1. Introduction

In the context of the continuous development of information technology and the rapid integration of life, the integration of computer and information management is the trend of computer development today. In the information age, computer technology and people's lives follow the trend, profoundly changing people's lives and work. It can be said that the integration of information technology and computer technology determines the development prospects of the information industry. Facing the development trend of information explosion, the promotion of the construction of information systems has gradually become the direction of information development. At present, almost all industries have been unified with information technology, organic integration of information management and computer technology.

The integration of computer technology and information management is mainly applied to government management and enterprise management. As far as the government is concerned, in the process of integration and development of computer application technology and information management, the integration of information management platform has not only created great convenience for information communication and exchange between various government departments, but also promoted the department. The relationship between them has been effectively improved. As far as enterprises are concerned, the use of computer technology can achieve data sharing, improve the efficiency of problem processing, and promote the development of multiple industries. Therefore, in today's information management work, we must cater to the requirements of the times, pay attention to the application of computer technology, promote the organic integration of computer technology and information management, realize the effective allocation and optimization of information resources, and promote the significant improvement of office efficiency in various industries.

2. Problems in the integration of information management and computer application technology

Information management is a management aspect from the management level. It refers to the collection, processing, analysis, processing, preservation and application of various texts, pictures, sounds, videos and other materials and information by enterprises or units through the use of information technology. From the data point of view, it refers to the management and information transmission activities of network data, including data structure management, data maintenance, data security, and confidentiality management. With the continuous development of information management methods and methods, it is inseparable from computer technology to achieve efficient

management and utilization of information. Therefore, it is necessary to scientifically integrate it to ensure the normalization of the information data management system.

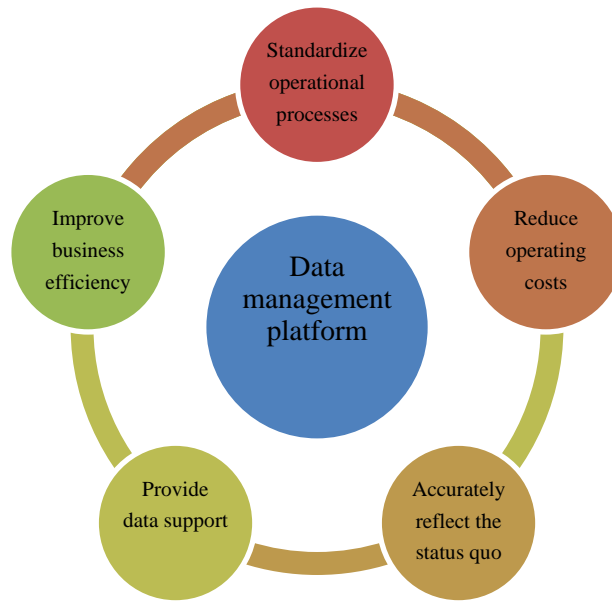


Figure. 1 Basic model of enterprise information management

Information management involves a wide range of fields, and information management is inseparable from computer application technology. Overall, there are still some problems in the existing information management.

Information collection methods cannot keep up with the accuracy requirements. The information collection technology of most governments and many enterprises lags behind, and there are also phenomena such as the use of manual data collection. Because the manual processing and judgment of information inevitably leads to low accuracy, if the most advanced computer application technology is not used to collect relevant information, it may cause problems in the later data analysis and processing, resulting in relatively low efficiency of information entry.

Information update speed needs to be improved. With the rapid development of information technology, the amount of data is larger than that of traditional information management systems. However, due to the actual application, there are still some problems such as slow update of information and difficulty in updating information in time by traditional information management. If information management ideas, techniques, and methods are not updated in time, there will be a series of problems such as reduced efficiency of information processing, easy loss of data, and reduced efficiency of information retrieval.

Insufficient information analysis and retrieval capabilities. Because modern networks are developing too fast, with the rapid development of big data, people's requirements for information retrieval and utilization can no longer satisfy the function of single information retrieval in the past. People generally hope to get more personalized information services. However, this must be achieved on the basis of comprehensive improvement in information collection, processing, analysis and processing capabilities. The actual situation is that China's computer and information management level has not reached this level, and cannot meet the needs of users.

3. Integration advantages and necessity

Information Management Application Computer technology's superior information management is a cumbersome, complex and high-error work. Computer application technology just makes up for these problems in the information management process. The application of computer application technology can reduce the error rate in work and improve the efficiency of information management.

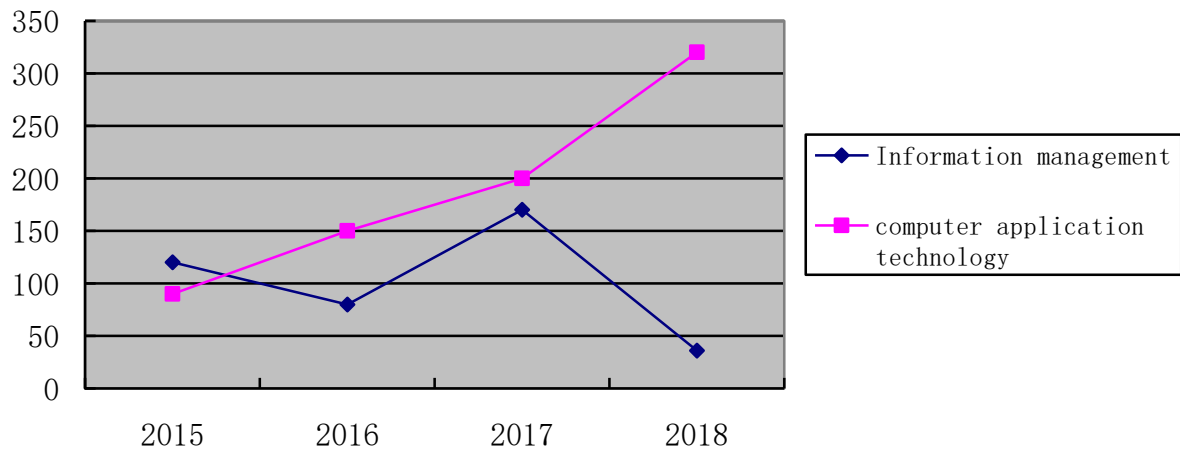


Figure 2 Information management and computer application technology research changes

Information integration helps to raise awareness of information management. Strengthening information management is a trend and inevitable requirement of modern enterprise and government management. Using advanced computer application technology helps employees fully understand the role of information management in business management, promote modern industrialization information management, and improve employee information management.

Information integration helps to improve the information management system. Regularly improve the information management systems such as computer database technology, multimedia technology, network technology, and data mining technology according to the development of computer application technology. Information management has become an indispensable part of modern social management, and even directly determines the efficiency, accuracy and service level of social operations. The information management system must be continuously updated according to social development. In the process of continuous development of computer technology and improvement of personnel information literacy, while updating computer hardware and software, data acquisition, processing, analysis, processing and application of information management systems can be continuously improved.

Information integration helps to improve the efficiency of information collection and processing. Modern government and enterprises need to collect more and more data. The traditional methods of information collection can no longer meet the needs of enterprise information management. This requires staff to continuously explore the advantages of information technology and improve the ability of information analysis and processing. Advances in computer technology have forced people to apply advanced computer applications, Internet of Things and other technologies to improve the speed and efficiency of information collection and entry.

4. Strategy and path

Focus on top-level design and system planning. It is necessary to strengthen the top-level design, set up a professional information construction team, and fully mobilize the enthusiasm of all aspects and resources in all aspects. Closely combine the local economic characteristics and development reality, formulate a scientific and complete information construction planning plan, divide the task into multiple levels, multiple construction stages, determine the construction goals of different stages, and integrate information management and computer technology. Provide theoretical support. It is necessary to encourage professional information technology personnel to guide other staff to operate information technology, so as to promote the continuous improvement of the information technology capabilities of government unit staff.

Strengthen the introduction and training of talents. It is necessary to seize development opportunities, strengthen the introduction of talents, and promote the progress and quality of

informatization construction through human resources. To improve the awareness and professional skills of information management practitioners, learn to use powerful human resources to solve internal construction problems. For the government, it is necessary to further expand the supply channels of information and raw materials by relying on the continuous improvement of the network infrastructure system, with particular emphasis on strengthening the information technology training of staff and improving the staff's information technology capabilities and awareness. At the same time, it is necessary to strengthen staff training, optimize the way of information collection, focus on the professional knowledge and technology of relevant staff, and raise awareness of information management.

Focus on building network infrastructure. It is necessary to change the concept, give full play to the advantages of information resources, raise awareness of information management, and attach importance to the construction and utilization of information resources. It is necessary to break the obstacles between departments, strengthen the study and mastery of computer network technology knowledge, timely find the deficiencies in the system operation process, actively optimize and transform the system, promote the integration of information management platform, and promote the circulation of information and shared. It is necessary to strengthen the construction of the information system, and strengthen the hardware use, software design and system development capabilities of the computer major by building a computer system time platform that combines the virtual and the virtual. It is necessary to be good at using artificial intelligence and data mining technologies, strengthen the ability to process information, control the quality of information, and provide guarantee for enterprises to carry out information management.

5. Conclusion

Strengthening the integration of computer application technology and information management is the need of the development of the times, and it is also a manifestation of adapting to the laws of social and economic development and making good use of the achievements of scientific and technological progress. Because technology is changing rapidly, with the commercialization of 5G networks, the impact of information management and computer application technology integration will be inevitable and very huge. Therefore, whether it is the government or the enterprise, and all walks of life in the society must adapt, and prepare to further promote the integration of computer application technology and information management, grasp the basis, and achieve better development of society.

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