

Research on the Integration Path of Computer Application Technology and Information Management

Zhang Lihao

Shanghai Industrial and Commercial Polytechnic, Jiading, Shanghai 201806, China

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Abstract: Current computer technology plays an important role in our lives. It can calculate data efficiently and at the same time realize the storage of information, which brings great convenience to people's life and work. In essence, computer technology and information management are inseparable. Through computer application technology can effectively improve the scientific and reliability of information management, and information management can promote the development of computer application technology, so we must pay attention to computer application technology and information management. Integration. Based on this, this paper first analyzes the significance of the integration of computer application technology and information management, and then explores the path of integration between the two, hoping to provide some reference for the integrated research of information management and computer application technology.

1. Introduction

Nowadays, we have entered the information age, and a lot of information is filled every day in our lives and work. Therefore, it is necessary to process and process information in a specific way to achieve scientific management. This process is information management. In the traditional form, most of the paper-based information is archived by hand. However, with the continuous advancement of technology, computer technology has been developed, which can facilitate multiple tasks, and it can also effectively manage information. Technology integration, which can effectively improve the efficiency of information management, while improving its quality [1]. Moreover, the integration of computer application technology and information management can effectively improve the reliability and security of information management. Especially for the information processing in the form of mathematical statistics, computer application technology can play an irreplaceable role, which can not only simplify information processing effectively. The process can also make the results of information processing more accurate, so that the role of information management can be better realized.

2. The significance of computer application technology and information management integration

The integration of computer application technology and information management can bring out the advantages of both parties, not only can quickly filter to obtain accurate data, but also improve the security and reliability of information management. Specifically, the significance of computer application technology and information management integration is mainly reflected in the following points:

1) Improve work efficiency and resource utilization. Computer technology can effectively process information, especially for data processing, it can play a great role, can improve the efficiency of mathematical statistics, and the accuracy has also been significantly improved, in the rendering of results and table production, etc. The traditional form is unmatched. Therefore, the integration of information management technology and computer application technology can effectively improve resource utilization, so information management has been greatly optimized. Computers have inherent advantages in information processing. They can be screened according to the characteristics of data, and can also be analyzed and judged autonomously. Especially the current big data

technology and Internet technology are highly developed and can be quickly located from a large amount of data. At the same time, it is classified and summarized, and then the overall characteristics of the data are obtained, which is of great significance for the decision-making of the enterprise. Therefore, in modern enterprise information management, computer technology is indispensable, which not only effectively saves costs, but also improves the effective use of resources, and can make information management work more standardized [2].

2) Reduce errors and improve data accuracy. Computer application technology has almost no error in processing information, and it can realize high-speed operation, which can effectively reduce the complicated process in information management and facilitate modern management. Moreover, current computer technology is often used in the large environment of the network, and can be contacted by multiple parties during information processing. Not only is the search location more accurate, but the information management can also be implemented by means of systemization. Of course, through computer technology, the results of information management can also be directly stored, and subsequent retrieval and access are more convenient.

3) Scientific presentation of information processing results. The purpose of information management is to integrate disorganized data and then derive the required features from it, so that it can provide strong support for various decisions. In traditional information management, manual calculation is adopted, which is not only inefficient, but also scientific in data processing results. Especially for the mathematical statistics that are difficult to calculate, the traditional methods often can not achieve the desired effect, and then it needs to be realized by computer application technology. In modern computer application technology, data processing and statistics are often realized through various types of software, and can be directly drawn into effect maps, which have intuitive representations on data distribution, features, and trends. Therefore, in modern information management, computer application technology is almost indispensable, and it can better present the results of information processing, so that the meaning of information management can be effectively realized.

3. Integration path of computer application technology and information management

3.1 Optimization of information management system

In order to effectively realize the integration of information management and computer application technology, we must first establish a sound information management system, integrate computer technology perfectly, and provide a stable operation platform for the integration of the two, so that the information management work can be further improved. The system also brings out the advantages of computer application technology. In this regard, each unit or enterprise should build a data platform for information management in combination with its own actual situation, and use computer technology to handle all kinds of information management work, laying the foundation for the improvement of subsequent work efficiency. Secondly, it is necessary to make effective use of modern information technology, to optimize itself according to the development of the times, and to make up for the lack of management [3]. In addition, various data security defense systems should be introduced, which can effectively improve the risk resistance of information management. Of course, modern information management systems are inseparable from related technical personnel. Therefore, it is necessary to organize information management staff to learn computer application technology, so that the operation of the information management system can be effectively maintained.

3.2 Establish a complete data system

The integration of information management and computer application technology can process a large amount of data, but it is necessary to pay attention to the construction of related data systems, so that the results of data processing can be better preserved and facilitated by people. Compared with traditional paper records, modern information management can use computer technology to effectively save data. However, in some current applications, manual input is still used, which may

bring artificial factors. The risk is likely to result in incomplete information entry or incorrect entry, which in turn leads to a related chain reaction. Based on this, in order to effectively integrate information management and computer application technology, we must start to control the quality of information management. On the one hand, we can improve the standardization of its work through training of information management personnel, and on the other hand, further improve the data system. Effectively protect the security of data and prevent data loss due to hacking or system damage.

In order to effectively optimize the information management system, it is also possible to perform quality analysis on the content of the information. For example, computer technology can be used to set keywords. When people need to retrieve relevant information, they can enter the university by inputting keywords. This method can also be used for the integration of information, so that the quality of information management is significantly improved. Of course, in the stage of information entry, this kind of technical means can also be adopted, and the corresponding data system can be constructed through the perfect organizational structure diagram. In the input stage, people can follow the prompts to achieve fast data upload, which can not only effectively improve the efficiency of information management. And the degree of humanization of the entire system can be effectively improved.

3.3 Training of professional information management team

The integration of information management and computer application technology needs to be realized by the functions of the computer. Therefore, it is necessary to cultivate a professional talent team so that the advantages of computer application technology can be effectively utilized. Judging from the current actual situation in China, there are still some problems in the training of computer information management personnel of various units and enterprises, so it is impossible to meet the actual needs of the integration of the two. In response to this situation, all units and enterprises must pay attention to the cultivation of talents and create a professional team, so as to effectively realize the integration of information management and computer application technology [4]. First of all, it is necessary to systematically train relevant practitioners to gradually move from traditional information management to modern computer application technology for information management. Secondly, it is necessary to carry out corresponding reward mechanism improvement, continuously improve the staff's understanding, and let the relevant personnel of information management have higher enthusiasm. Of course, we must also strengthen the supervision of information management, which has a positive significance for the scientific and standardized information management.

3.4 Development of professional software

In practical applications, different units and enterprises have different requirements for information management. For example, in the financial field, it is necessary to effectively mine the characteristics of data information, and at the same time summarize the trend of data development, so as to be better. To help companies make decisions. Therefore, when integrating information management and computer application technology, different enterprises or units must effectively integrate their own actual needs and develop software in a targeted manner, so that the integration of the two can be more effective. Especially for the application of mathematical statistics and other aspects, the difference between different software is large. From the current practical application, for more advanced enterprises, they can realize automatic data identification, analysis, processing and result output, and can also be automatically saved, which can greatly simplify the information management process and quickly Obtaining the characteristics of information can help companies gain opportunities in the fierce market competition. For example, in the process of trade information management and statistics, the traditional method requires a lot of manpower and material resources, and computer aid can be greatly simplified. Take the attraction trade gravity model as an example, the model is as follows:

The traditional manual introduction method can hardly process the data effectively, but the computer technology can be used to obtain the results in an extremely short time. As shown in Table 1, the descriptive statistics of the book data, the adjustments are clear at a glance.

Table 1: Descriptive statistics of the data

variable	Definition (unit)	Observations	mean	standard deviation	minimum	maximum
$\ln(\tilde{x})$	Natural trade value of foreign trade export value	4.32	22.7908	1.362 7	17.816 0	26.707 0
$\ln(\tilde{x}_1)$	Natural trade value of foreign trade in food processing industry	4.32	16.2894	2.625 3	0.000 0	21.904 0
$\ln(\tilde{x}_2)$	Natural trade value of foreign trade in metal processing industry	4.32	21.3531	1.908 7	1 5.161 0	26.021 0
$\ln(\tilde{x}_3)$	Natural trade value of foreign trade in machinery manufacturing	4.32	18.4916	3.412 4	0.000 0	25.516 0

In order to better develop software suitable for the enterprise, this aspect should cooperate with the professional team to clarify their actual needs, and then continuously discover the problems in the trial phase of the software and improve accordingly. Through this measure, the degree of integration of computer software and information management can be effectively improved, and it is more suitable for the actual needs of enterprises [5].

3.5 combined information features rich content

In the traditional information management mode, the whole system is relatively solid and has less contact with the outside world, which has a certain impact on the integrity and authenticity of the information. With the help of computer application technology, it can effectively realize the similar expansion of information, especially the mature capability of big data technology, quickly mining similar data, and effectively comparing the differences of data, which is extremely important for improving the security and authenticity of information management. s help. For enterprises, the use of computer application technology for information management also helps to plan the long-term development of the enterprise, while constantly updating the content of the information . Therefore, it is necessary to effectively optimize the information management by means of modern computer application technology. For example, it can link information elements in a targeted manner, link information management with the basic production framework of the enterprise, and then perform operations based on the characteristics of information input. , build a multidimensional management data system. In this way, information data can be continuously updated, and data can be stored and stored in accordance with the entire life cycle. Of course, in the network environment, information management optimization can also be used to promote the diversified development of the enterprise economy and break the limitation of information management under the traditional mode.

In the network environment, there are many advantages to integrating computer application technology with information management technology, but we must also pay attention to the related security prevention and responsibility division, because the operation of computer technology seems simple, but any mistakes in the link may cause information. The accuracy of management results is reduced. Therefore, enterprises should also divide the powers and responsibilities according to their own circumstances, put the responsibility of information collection, sorting, processing, integration and other aspects into place, and then build a corresponding supervision system according to the adaptive needs of computer technology, so that Effectively reduce the risk factors of information management, but also contribute to modern management.

4. Conclusion

Computer application technology can effectively realize modern information management, and information management can expand the field of computer application, so the integration of the two is extremely beneficial to the development of both parties. From the current actual situation, China's

integration of computer application technology and information management is more, but the overall is not optimized. Based on this situation, this paper proposes five measures of information management system optimization, establishment and improvement of data system, professional information management team training, professional software development, and rich information content. I hope to give information management to China. The integration of computer application technology provides a certain direction.

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