

Discussion on the impact of the "Big Smart Migration Cloud Zone" on financial management and countermeasures ——Based on the perspective of administrative institutions

Hairong Hu, He Xue

Krirk University, Bangkok, Thailand

Abstract: *Based on the new requirements for the quality and ability of accounting talents in the era of "Big smart Migration Cloud Zone", this paper studies the theoretical basis of the era background, analyzes the positive and negative impacts brought by intelligent finance, and puts forward corresponding measures, hoping to promote the efficient development of financial management in the administrative constitution. Financial accountants should be more professionally sensitive, constantly learn new skills to adapt to the development of the times, transform from traditional financial accounting to intelligent finance and comprehensive financial management talents, and enhance their inner self-worth.*

Keywords: *Big Smart Migration Cloud Zone, Smart Finance, Finance Management*

1. Introduction

The Fifth Plenary Session of the 19th CPC Central Committee pointed out that the pace of digital construction should be accelerated and the level of digital construction should be improved. The main task of accounting reform during the "14th Five-Year Plan" period is to achieve full coverage of accounting and business activities by informatization, establish a cross-platform and structured accounting database, promote the digital transformation of financial work based on digital informatization, and form a new pattern of two-way expansion of accounting functions.

With the development of big data and AI technology, the popularity of big data and AI technology has gradually climbed, big data and AI technology become more and more favored by people. They have a great impact on the financial management of various administrative institutions, and the combination of them and financial management is indeed necessary, and the financial cloud platform enters the financial management department of various administrative institutions, depending on its own low cost, high efficiency and many other advantages. Revenue and expenditure business has always been one of the important parts of the internal control of the administrative institutions. Improving the level of financial management control through the construction of financial cloud platform is a great important matter to administrative institutions, which continue to apply new technologies to cope with complex network and technical environments, but also bring potential risk and challenge. Relying on the promotion and application of AI to improve the financial management level of administrative institutions has a great significance on the risk prevention of internal control.

2. Research on theoretical foundations

2.1 Overview of Big Data

Data contains not only numbers, but also text, pictures, and more. Data is not equal to information, information is the connotation of data, and at the same time, data is also the carrier of information. It is also a kind of data collection, which has the characteristics of huge data volume and wide varieties. Therefore, this kind of data collection cannot be obtained, processed and managed by general software tools in a certain period of time. With the rapid development of modern science and technology, in the face of a huge data collection, big data technology came into being. Using big data technology, by collecting, importing, statistics, and mining, one can quickly obtain the required or valuable

information from various forms of data.

With the advent of the era of big data, the related new technologies, new products and new services have also followed, promoting the continuous and rapid development of the information industry. In terms of hardware and integrated devices, big data will greatly influence the chip and storage industry, at the same time, will create a market for integrated data storage processing servers, memory computing, and more. In terms of software and services, big data will promote the rapid development of data mining, analysis, processing technology and software products.

In the era of big data, big data has also had a profound impact on the competitive environment of various industries. With the wide application of big data technology, various industries can achieve information that is required and valuable for decision by using big data technology, and transit business decisions from business promotion to data promotion, so big data has become an important factor in competition between companies in the new era. Big data analysis technology makes us can understand the dynamic state of financial data in real time, so that we can quickly respond to changes in financial data and make corresponding adjustments in time, which can provide more accurate decision-making for us. In the field of financial management, big data technology can improve the accuracy and efficiency of data analysis. In terms of social life, big data also plays an important role in promoting economic development and maintaining social stability.

2.2 Overview of AI technologies (AI)

AI is a discipline that simulates and extends human thinking and wisdom. With the continuous development of AI, the exploration of the nature of intelligence is more profound, and the thinking and thinking mode of robot or machine are very similar to human thinking. Based on the theoretical view, AI is comparable to human intelligence, or even surpasses human intelligence. When faced with a difficult problem, AI will explore solutions from different aspects. At the same time, in the process of solving problem, the solution methods, steps, etc. will be accumulated, just like the summary of human experience. At present, AI has been developed for many years and is widely used in language recognition, image recognition and expert systems.[1]

2.3 The Interrelationship of the "Big Smart Migration Cloud Zone"

At present, popular terms that have been widely recognized in the society, such as "big smart migration cloud area" technology (big data, AI, mobile internet, cloud computing, internet of things, blockchain), that often appears in professional journals and self-media. If you carefully analyze the current popular high-frequency technical terms in the financial industry, such as electronic invoices, network payment, data mining, financial cloud, etc., you can find that most of them belong to the sub-technologies or intersection technologies of the "big smart migration cloud area" technology. In fact, these technologies are not independent of each other, such as big data is the raw material of information system processing, AI is advanced data processing algorithms, the Internet of things is the underlying network to achieve intelligent identification, positioning, tracking, monitoring and management, cloud computing and mobile Internet is not only a data storage tool, but also have advanced computing power and algorithms, while blockchain is a comprehensive application technology of before-said technologies. In the digital era of the emergence of new technologies represented by the "big smart migration cloud area", intelligent technology will play a positive role in promoting all fields of all industries, and intelligent finance has attracted much attention from financial personnel in both theoretical and practical fields, and promoted the opport administrative constitutiony to the development of intelligent finance on this era background.

3. The impact of "Big Smart Cloud Migration" on financial management

3.1 Positive impact

AI is a highly comprehensive emerging discipline, covering cybernetics, management, informatics, logic, mathematics and many other fields. With the support of big data analysis, financial staff get rid of cumbersome basic operations, can focus more energy on ensuring the accuracy of capital information and related data, and continuously strengthen the monitoring of data information in their work, so that the data information is more secure and systematic. With the support of information technology, the structure of administrative institutions is no longer a simple vertical relationship or a

parallel relationship between various departments, but a high-quality management platform that presents a flat financial data and business data dual link.[2]

3.2 Negative effects

Although the positive impact of modern science and technology on financial management is very significant, the negative impact cannot be ignored. When AI and big data play an increasingly important role in work, the data information processed becomes larger and more complex, bringing greater work pressure to workers. It is necessary to increase investment in financial management innovation and the training of professionals, and with the penetration of technology application, the shortcomings of the inherent management model are constantly amplified. From the initial point of view, AI and big data have had a great impact on the inherent financial system of administrative institutions, and the continuous application of new technologies to deal with complex network and technical environments has also brought potential risks, and also launched challenges to the security of financial information.

4. Countermeasures

4.1 Administrative institutions should establish and improve financial sharing platforms

The establishment of the financial sharing platform not only handles the basic accounting business of financial management, saves a lot of manpower, but also unifies the data processing platform, determines the data processing standards, further promotes the effective implementation of business-finance integration, and lays a foundation for the implementation of business-finance integration.

4.1.1 Establish business and financial docking system

In the implementation of industry-finance integration, basic business data and financial data need to be integrated before they can be shared and used. The unified of financial system and the business system resulting in incompatible data structures and formats, that business data cannot be directly applied to the financial system. Therefore, it is necessary to establish a business and financial docking system. Finally, the financial information is stored uniformly by the financial sharing platform data pool.[3]

4.1.2 Establish a communication platform for the integration of industry and finance

The effective communication between financial personnel and business personnel is the key factor to achieve business-finance integration, so it is necessary to establish a communication platform for industry-financial integration. First of all, business personnel and financial personnel are required to jointly formulate mandatory system specifications, participate in business-finance integration training meetings, stipulate regular communication between financial personnel and business personnel, and include relevant aspects of industry-finance integration in performance appraisal. Secondly, a conflict resolution mechanism should be established, and when conflicts arise between financial and business personnel, the conflict resolution personnel will handle them in a timely manner in accordance with the principle of fairness and justice. Finally, actively broadcast the advantages and successful cases of business-finance integration within the administrative institution, organize business personnel and financial personnel to participate in party and league construction, and establish common groups through WeChat and other platforms. Finally, through the above methods, the communication between financial personnel and business personnel would be increased, and the integration of industry and finance should be initially developed.

4.1.3 Establish a mechanism for effect analysis

The establishment of the financial sharing service platform will bring the following good results: firstly, the cost and expense will be reduced, and the efficiency of capital utilization will be improved. Secondly, the control is enhanced to reduce financial risks. Thirdly is to achieve business integration and improve the scientific decision-making of the administrative institution. Through the establishment of a financial sharing platform, the scattered business information and financial information are integrated, the financial analysis of the business operation status of administrative constitution is carried out, and scientific and accurate financial information is provided for business personnel, which is more conducive to the development of business; Link to the business when carrying out financial work further ensures the rationality of financial analysis. The integration of the two can help administrative constitution managers make more scientific decisions and further promote the

development of the administrative constitution.

4.2 Finance personnel should achieve transformation and upgrading

In the era of intelligent finance, the financial transformation of the administrative constitution is not only reflected in the change of management mode and financial structure, but also includes the transformation of the financial personnel of the administrative constitution, and how to effectively promote the transformation of financial personnel, including the following three aspects.

4.2.1 Strengthen the intelligent technology training of financial personnel

The administrative constitution introduces AI, financial robots, intelligent financial sharing platform to reshape the process of administrative constitution, to optimize the financial structure, at the same time, the skill requirements for the financial personnel of the administrative constitution are further improved, the administrative constitution should promote the job skills training, assessment, job trial and other ways for the financial personnel as soon as possible to make the financial personnel adapt to the new financial process as soon as possible; For finance personnel, it is necessary to understand in detail the procedure changes brought about by intelligent finance, and the work content adjustments that individuals need to make after the procedure reform.

4.2.2 Improve the management level of financial personnel

Taking the main tasks of accounting reform during the "14th Five-Year Plan" period, after the transformation of intelligent finance, the number of personnel engaged in cumbersome and repetitive financial business accounting will be greatly reduced, and most of this kind of work will be conducted by financial robots, so administrative constitutions and individuals should pay attention to the improvement of financial personnel management. From a personal point of view, more time should be invested in financial process improvement, business monitoring and financial analysis; From the perspective of the administrative constitution, capable financial managers should be cultivated, help to improve the professional ability of financial personnel.

4.2.3 Improve IT sensitivity

The development of information technology has an increasing impact on the intelligent finance of administrative constitutions, which is an inevitable focus of financial transformation. As financial personnel, it is necessary to strengthen their own awareness, take the initiative to understand the development status of leading-edge technology, think about the combination of new technology and financial work, the possible problems and solutions. At the same time, the administrative constitution should often carry out information technology exchange conferences and take advantage of the idea of combining financial processes with new technologies, etc., to enhance the information technology sensitivity of the financial personnel team, so that every financial person has information technology capabilities.

4.3 The main strategic measures to build an intelligent financial reimbursement work system for administrative institutions

Revenue and expenditure has always been one of the important parts of the internal control of the administrative constitution. With the infiltration of intelligent technology, in order to make up for the shortcomings of the inherent management mode, relying on AI to improve the financial management level of administrative institutions. The main strategic measures are as follows.

4.3.1 Establish a sound and complete intelligent financial reimbursement system

On the basis of the financial sharing platform established by the administrative constitution, refine the intelligent financial reimbursement system and enrich the functional content of the platform, so as to build an intelligent and information-based reimbursement work mode and system. Which could improve reimbursement efficiency and quality in a real sense.[4]

4.3.2 Develop an intelligent financial reimbursement APP to improve intelligence of reimbursement work

The rapid development of modern information technology highlighting the efficiency and convenience of intelligent financial reimbursement work. Researching and developing a financial reimbursement APP on the basis of intelligent information system and management platform, specializing in processing a series of reimbursement work of administrative constitutions, so as to realize the extension of the management platform. Using the APP for online appointment of reimbursement, certificating of electronic invoices and the promoting the online reimbursement process, and using the APP to query the business process and progress anytime and anywhere according to their

own needs, so as to realize the intelligent development of reimbursement work.

4.3.3 Actively introduce electronic invoice identification and certification systems

In recent years, China has vigorously promote the use of electronic invoices, the main goal of which is to improve the efficiency and quality of invoice management while reducing costs. However, according to the actual financial reimbursement work, paper invoices are still used in the process, and the accounting management of electronic invoices is not clarified, and a sound management system has not been established. In this context, in order to effectively promote the intelligent development of financial reimbursement work, an electronic invoice identification and certification system should be actively introduced. Once the verification is passed, it means that the invoice has been reviewed and reimbursed, and then the system will automatically transfer the reimbursement amount to the applicant's account. It can be seen that not only the intelligence of reimbursement is improved, but also the whole process is more streamlined and convenient.

4.3.4 Strengthen effective control over financial processes

In order to improve the accuracy and reliability of financial reimbursement work, the administrative constitution shall make full use of the relevant technology of intelligent monitoring and dynamic tracking to scientifically and reasonably control the reimbursement process, and effectively reduce excess reimbursement. If the staff member is reimbursed for expenses beyond the established standard node, the system will automatically remind the manager and highlight the approval transaction, that both managers and financial staff can focus on the approval business.[5]

4.4 Improve the information security of intelligent financial systems

According to the investigation, the current operation of the financial information system generally has security problems such as operational errors, equipment failures, network paralysis, software vulnerabilities, authentication and encryption system defects, viruses and hacker threats, etc., if these problems are not handled properly, they will inevitably cause immeasurable losses to the administrative constitution. In order to meet the challenges of information security, it is necessary to strengthen IT governance capacity, increase research and development of encryption, backup, firewall and other technologies, continuously popularize information system security education in financial management, and further improve security regulations and systems.

5. Summary

All in all, in the context of the era of "big intelligent cloud migration area", with the rapid development of AI, the basic accounting and summary work of finance will gradually be replaced by "intelligent finance". Intelligent finance is a double-edged sword for finance personnel, which brings challenges to finance personnel and provides new opportunities. Financial personnel should follow the trend of the times, establish a lifelong learning concept, and improve their thinking, management methods and professional capabilities. Transform yourself from a traditional financial accountant to intelligent finance and comprehensive financial management talents, so as to continuously improve their own business level and continuously enhance their inner self-worth, in order to keep pace with the times and contribute to social and economic development. Let's embrace the future with a positive attitude and embrace a better tomorrow in the financial industry with optimism.

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