Practice of Artificial Intelligence Technology in Archival Management Information

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Abstract: Application of artificial intelligence technology is a trend. The purpose of research is to truly update traditional archival management means, which makes labor intelligence technology to have a close combination of archive management work, enhance productivity, and reduce error rate. Comprehensive use of literature review, a comprehensive investigation of academic theory and detailed cases, learned about the specific research of domestic intelligence technology in China. The specific concepts of artificial intelligence technology and archive management technologies are proposed, indicating the necessity of artificial intelligence technology in archival management informationization. Finally, from the perspective of system intelligent identification technology, fingerprint iris recognition technology, network platform sharing technology, intelligent retrieval technology, etc., the application strategy of artificial intelligence technology in archives management information is analyzed.

1. Introduction

When conducting archives management, scientific applications can achieve higher information construction, ensuring more efficient file management work, and achieve effective improvement of management work efficiency and quality of work. Further clarify how higher vocational colleges can use artificial intelligence technology to carry out file management work, this research work.

2. Overview of Artificial Intelligence Technology

Artificial intelligence technology is an emerging research area, which is to achieve excellent computational power by simulation, extension, and intelligent development, to form a perception, acquisition ability of information by simulation, extension, and intelligent development, to achieve excellent computing power. In 2017, Li Keqiang repeatedly emphasized that “Into the law to study artificial intelligence technology, prompted it to get a better building.” In July of the same year, the national hospital was confined to “new generation of artificial intelligence development plan”, further developed a strategy for artificial intelligence Target. Not only that, even a world-wide Internet enterprise, it also maintains amazing consistent in the field of artificial intelligence, including Google, Microsoft, Facebook, Baidu and Intel and other famous enterprises. At this stage, my country has developed rapidly in the field of artificial intelligence, has entered the first echelon in the field of artificial intelligence research, which is extremely beneficial for the development of our industry. With the development of modern network information technology, my country has achieved gratifying results in this field, which will achieve curve overtaking foreign technology. Especially in the field of artificial intelligence, it will inevitably bring a new change to various fields, and the digital publishing industry is an important cultural field, and the application of cultural confidence in cultural confidence in cultural confidence, artificial intelligence technology will produce powerful promotion. In addition, artificial intelligence applications include medical, education, finance, security and defense and other fields. According to relevant statistics, only 2016 R & D investment in artificial intelligence is as high as 5 billion US dollars, compared to 2012 It has grown nearly ten times, according to the current development pattern and trend, it is expected that by the end of 2020, the investment plan in this field will exceed $ 100 billion mark, and the annual investment growth will exceed 20%, of which China is in the field of artificial intelligence. It will also reach 10 billion, and

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the growth rate is more than 50%. In the future, with the optimization and improvement of artificial intelligence technology, the focus of its development will be based on large data intelligence, group intelligence, cross-media intelligence, human machine mixing. It is foreseeable that the advantages of various types of modern science will make artificial intelligence to develop, form the application pattern of systemization, and promote the technology iteration, integration and innovation goals in the practice of social industries, and promote social to high intelligence Tauce.

3. Second, the Importance of Artificial Intelligence Technology in Archival Management Informationization

For archival management informationization, the use of artificial intelligence technology can improve its efficiency and quality, and develop its value, and transform and optimize traditional management methods. With the extensive promotion of this technology, some mechanical processes are greatly simplified, including information entry, information sorting, and information classification archiving, etc., significantly improve the accuracy of archive information, preventing some archive information due to manual entry Realism cannot be guaranteed, and some data information is lost due to human negligence. File management work has less and less human investment, just need to invest in information talents. The main content of the file work is to collect files and save them after the archive is saved according to the category. In traditional management mode, file management requires the cooperation of other departments, and the application of artificial intelligence technology is simplified, and the data is collected, classified, arranged, and the storage step is simplified, but the efficiency is higher. In addition, the user can more convenient inquiries to view the file. On the information social security terminal, users only need to enter keywords, and quickly find the required file information quickly, with strong intelligent features, and the transmission speed of the information data is very fast, and the demand for users to find the file is quickly met. .

4. Artificial Intelligence Technology in Archival Management Informationization

At this stage, the archive industry is in the informationization, digitization, and the information system has been generally used in the process of archival management. It has become a basic condition for digital archives collection, finishing, and utilization. When the department is contrary, the file is Digital collection or reproduction stages can be performed, and the required information can be efficiently obtained. However, the digitalization of historical files and the docking of the Internet-based management system and the library automation system will bring severe challenges to the archives. Whether online is handled, mobile, or the terminal handling and one-stop handling are highly demanding for the update replacement of the information system. For the actual situation of the file informationization, artificial intelligence technology has a very large application space. In the artificial intelligence, the intelligence of archives management is higher, more convenient, and more convenient, and more excavate the value of.

(1)Intelligent collection of archives resources

In information retrieval work, the use of artificial intelligence technology can quickly and accurately obtain information from the user needs in large-scale original information. For example, through the Agent mode, the acquisition collection of the file is independently filed from the information source in accordance with the intelligence of the first set regulations. Because each Agent has different functions, and the rules are inconsistent, the goals need to be achieved are also different, so the Agent definition of different rule types is performed with specific data sources. For example, a AGENT for some specified format file collected for web page data is used. When collecting element data, it is possible to format the basic format and simple sort. For example, the text file is converted into a text format, and the subsequent work is simplified based on the reasonable order based on time, and improve the efficiency of obtaining information.

(2)Archive resource classification mining

After the file collection, the classification and mining links are entered, and the classification

should be selected according to the reasonable selection of manual intelligence technology in the different archive media. For example, the technique mainly taken in the text file is affiliated with the field of natural language processing, namely the real identification technology, which can automatically identify proprietary nouns, place names, and names that exist in text and have specific meaning. Subsequently, the basic labeling around the text, the content of the label mainly includes information such as timestamp, department, storage level, and the like for classification or management. After extracting these keywords and labels, the classification is expanded under the application of the property and the use of clusters in machine learning. If there is sufficient amount of data, neural network technology is also appropriate. For pictures in the file, artificial intelligent image recognition techniques can be taken, such as deep learning techniques, high-efficiency identification of objects, and rapidly classify them. In terms of archive information mining, the profile content intelligence retrieval is dominated by profile value intelligence. In the classification, after the artificial intelligence technology is handled, the orderly digital information is obtained, which is convenient for subsequent archive information mining. In the specific mining, there are more artificial intelligence technology in data mining fields. In terms of intelligent retrieval file content, through the application of artificial intelligence technology in the fields of information retrieval, knowledge maps, the content of the index file, excavate the file information and build the association between each other, so that the full text can be found at the same time Automatic access, ultimately intelligent uses file information. In terms of intelligent identification file value, the relevant information is obtained during the classification process, and according to the basis for the preset of the storage period, confidentiality registration, intelligent identification.

(3)Information security management

Safety issues are more important than Taishan, and only ensure the safety of file information data can ensure the smooth progress of follow-up. In this regard, the file management personnel can make full use of artificial intelligence technology such as fingerprint, iris, sound, and face to achieve borrowing information of file users, the management of information, or the access control of archives warehouses, on the one hand, file information Safety, on the other hand, providing technical support for promoting the efficiency of archival management. In addition, artificial intelligence technology can also be introduced in the intelligent safety management of archives, which contains people monitoring, intelligent monitoring, graphical warehouse, and automatic shelves of the warehouse environment. The automatic upper shelves of the so-called files are mainly the use of intelligence. Robot and RF Identification Technology (RFID). According to the arrangement rules set by the file management information system, the radio frequency recognition technology (RFID) is intelligently acquired, and after system recognition, it is accurately determined to determine the location of the library room located in the file, and then the robot completes the framework of the file according to the instruction.

(4)Information intelligent consultation

Needless, artificial intelligence sets multiple disciplines, intelligent public service robots have guidance, explanation, human-machine interaction, and autonomous walking. In this regard, the archives can arrange intelligent robots in the tube hall, and use the user of the file to be reviewed by the company to resolve the information on the collection of information and access the file process. At the same time, the user can also enter keywords, simultaneously enter keywords, and the robot is quickly transferred to the warehouse file for it and provides a copy of the file. With the increasing promotion and application of new media, the WeChat public number and official website is necessary. In order to improve archive service satisfaction, the archives can also put into intelligent systems, make full use of real-time intelligent functions on the system online. , Answer user questions in time to provide convenience for the utilization of user file information. For the archives, the smart line is organically combined with the smart line, on the one hand, solves the confusion, and on the other hand, it also promotes the efficiency of its own service efficiency.

Conclusion

When conducting file management, higher education institutions can make it more intelligent

through scientific application intelligent identification technology, biometric technology, network sharing platform, intelligent classification retrieval, and intelligent security management, thereby ensuring more intelligent technology. In order to effectively apply, ensure that relevant personnel are more efficient to carry out file management work, achieving effective improvement in overall work efficiency and quality of work, and the effective implementation of high school management work, promoting further development of modern colleges and universities. .

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