Realization of University Archives Resource Sharing Mechanism under the Background of Big Data

Hanlu Zhang

Chengdu Aeronautic Polytechnic, Chengdu Sichuan 610100, China

ABSTRACT. *With the development of society in the context of the current era of big data, and with the growing demand for archive resources, the management of archive resources in colleges and universities is closely related to the development of education. This article will analyze the current status of college archives resource management, and put forward the need for the sharing of college archives information resources from all walks of life, and put forward a mechanism for sharing archives resources in colleges and universities in the context of big data.*

KEYWORDS: *Big data, College archives, Resource sharing mechanism*

1. Analysis of the Present Situation of University Archives Resource Management

1.1 Implementation of Traditional Management Mode Despise Archive Identification

On the one hand, the traditional university file management generally adopts a paper file management model. The collection of new media files generated in the new form and new technology environment is less, and the file collection work started late [1]. In addition, the file management staff does not have a thorough understanding of the specific contents of teaching, administration, and scientific research, and there are some important file archives. Problems such as delays or incomplete filing materials have led to a series of phenomena such as lagging, missing and duplication of collected materials. On the other hand, university archives management departments usually pay more attention to the completeness and completeness of archives materials, and lack of sufficient attention to archives identification work, leading to the collection of a large number of worthless archives, occupying archives, and increasing the number of college archives Reduction of valuable archival resources and inefficient utilization.

1.2 Inadequate Development and Utilization of Old Management Concepts

University archives workers' insufficient awareness of the social group's resource sharing and openness of archives has resulted in the limitation of the content and service scope of archives services in colleges and universities. It is more to provide archives services to various departments of the college and the majority of teachers and students, and to provide archives information to all sectors of society. Insufficient resource sharing services [2]. In addition, the service methods are inadequate and the innovation consciousness is lacking, which cannot meet the needs of school development and society. Due to technical and economic constraints and insufficient understanding of the value of archives resources, the archives information resources have not been fully and reasonably utilized. Therefore, the huge potential value of archives resources in universities has yet to be fully explored.

1.3 Insufficient Investment in Archive Resource Management

Insufficient investment in archives management technology, equipment, manpower and material resources in colleges and universities. The informatization management of colleges and universities generally starts relatively late. In addition, the information technology capabilities of archives workers are uneven, which makes the archives informationization construction in the initial stage. There is still a certain gap in the information resource sharing services.

2. The Needs of All Sectors of Society for the Sharing of University Archives Information Resources

2.1 Understanding Research Needs for College History and College History

The archives (rooms) record and store important events, major projects, and important events that took place in different historical periods of the university in the form of text, pictures, sound images, and physical objects. It can be said that the university archives is a resource library of university historical memory, which reproduces the real scene under specific historical conditions in various forms. Regardless of the understanding of school history and school conditions by professionals from all walks of life, or the study of school history by professionals, it is necessary to consult college archives. Therefore, it is urgently necessary for college archives information resources to be open to the outside world for resource sharing and convenient use.

2.2 Requirements for Verification and Identification of College Materials

When a fresh graduate looks for a job every year, some employers need to check with the school the true status of the graduates 'degrees, degrees, achievements, rewards and punishments. If the archives resources can be shared, the employer can verify the graduation through the network platform [3]. The true situation of the raw materials, so as to facilitate the graduates to find a satisfactory job, not only save time and money, but also avoid the pain of fatigue and travel. In addition, one of the daily work content of the archives management department is to provide users with convenient services. If the archives information resources are shared, then the students and graduates need to issue school transcripts because of the examination of civil servants, postgraduates, and abroad. For certificate materials such as academic degrees and academic degrees, you can inquire through the network sharing platform, and use the shortcut method after communicating with the school.

2.3 Demand for Productivity of University Scientific Research Results

Under the new situation, colleges and universities must establish a new set of ideas, strive to turn scientific research results into productivity as soon as possible, let it be commercialized, marketized, and industrialized, allow high-tech products to be listed on the market as soon as possible, and serve the people as soon as possible. [4] "Science and technology are the primary productive forces." Colleges and universities are the bases for the dissemination of advanced culture and the bases for scientific research. Every year, colleges and universities produce a lot of scientific research results, which are preserved in the form of scientific and technological archives. If university archives and information resources are shared, businesses will be able to find the required scientific research results in time through the information platform, start scientific research cooperation with universities as soon as possible, and jointly develop new products to promote the timely and effective conversion of scientific research results of universities into real productivity and realize the Win-win situation.

2.4 Strengthen Publicity and Serve the Social Needs

In the information age, more and more people know the society through the Internet, understand the society, and use the Internet to promote and promote colleges and universities, so that more people understand that colleges and universities are imperative. "Invigorating the school with science and technology, rejuvenating the country with science and technology, and serving the society", colleges and universities must build on this foundation and establish a platform for archival information resource sharing [5]. Through this platform, the school's beautiful environment, glorious history, unique culture, teaching strength, and scientific research level can be made available to society. Understand the school in an all-round way, attract more outstanding talents to the school for development, obtain resources to the maximum, and constantly improve ourselves and give back to the society.

3. Establish a College File Resource Sharing Mechanism in the Context of Big Data

3.1 Change the Concept of Archive Resource Management Development and Utilization

It is necessary to establish the "big archives" and "big services" archives concept at the level of ideology and understanding, and to emphasize that all faculty and staff of the school must consciously participate in archives work, and make full use of modern equipment and digital technology to expand the total amount of data. Focusing on the problems of "recovering and using lightly" in the existing archival work, what is reversed is the position of archivists about themselves. In the era of big data archival work, the identity of archivists should be changed from "document custodian" Gradually change to "knowledge information providers and creators", university archives management departments must learn to make full use of the existing digital campus system, especially the office automation system to do a good job in the secondary research and development of archival service work, to realize the socialization and diversity of archival services in colleges and universities. Personalization, personalization and openness.

3.2 Strengthen the Construction of Platform Information Sharing and Utilization Platform Resources

First, we must establish a characteristic database, strengthen the collection and arrangement of school characteristic archives, fully dig characteristic archives, analyze data, and identify fragments from massive information [6]. Through processing and integration, high-level and thematic features have been formed. Files, and constantly update the information resource sharing database. Secondly, we must strengthen the database construction of characteristic processes. College file resource sharing, not only for content sharing, but also for "full-process" sharing of archives. From the process of "identification, collection, collation, storage, cataloging, and utilization" of archives, the "distributed batch processing system" and DWA file system that can use big data will be used to distribute the archives distributed to the clients of various colleges and universities. In the storage stage, integrate college archives, realize the sharing and complementarity of archive resources between colleges, highlight the cultural characteristics of archives of various colleges, and promote the technology of classification, visualization, aggregation, data fusion and data integration, so that the content and use of archive sharing Seamlessly match the individual needs of the participants.

3.3 Establishing Archive Resource Sharing System and Selecting Sharing Mode

First of all, colleges and universities must establish a unified standard system, adopt unified standards to collect information, organize electronic files, information management standards and information technology standards are consistent, and through unified collection and use of terminals, enable individual file donors to Based on the same standard, the use of big data technology to achieve the sharing of university archives resources and improve sharing efficiency.

Secondly, it is necessary to choose a reasonable sharing mode, and develop different types of sharing modes for colleges and universities to use, such as the mode of intra-school sharing, inter-school sharing, and whole society sharing. Each university uses the sharing platform to select the appropriate mode for data processing and data transmission.

3.4 Improving the Quality of Archives Managers and Strengthening Talent Construction

The degree of development and sharing of archives information resources in colleges and universities is directly determined by the comprehensive quality and information technology level of archives management personnel. On the basis of optimizing the knowledge structure, professional structure and age structure of archives management personnel, through intensive learning and key training, train multi-functional and composite archives information management talents, so that they are not only full of archival professional knowledge, but also modern information technology . In addition, in the field of file editing, research, development, promotion and utilization, we must stimulate their growth and talents, so as to comprehensively improve the overall quality of the archives management team, which can not only promote the sharing of college archives resources, but also provide value-added services for archives work.

4. Conclusion

All in all, in the context of the full implementation of the new concept of "innovation, coordination, greenness, openness, and sharing", only by strengthening the sharing of university archives information resources can we exert the dual effects of university archives management, both internally and externally, so as to promote the information resources Transform from potential value to real value, and promote the positive,

healthy and sustainable development of university archives.

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