Research on the Main Problems and Countermeasures in the Construction of University Library Informatization

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Abstract: University library informationization plays an important role in developing reading habits and knowledge literacy of teachers and students in universities. However, most college libraries in China still have problems such as not paying enough attention to informatization construction and low informatization construction. This paper adheres to the problem-oriented, and on the basis of analyzing the problems, puts forward countermeasures and suggestions to improve the level of informationization construction of university libraries.

1. Introduction
As an important foundation and guarantee for the development of a modern society, the construction of the library's informatization can enable the library to develop steadily in the fierce market competition. Library informatization can change the way people receive information, and can help readers obtain effective information resources. It is necessary for the library to carry out informatization construction, which can provide readers with more convenient and better services, and urge the library to gradually transform from the former document center to an information service center. At present, with the development and popularization of network information technology, China has entered the trend of informatization development and has shown a good development trend. As an important place for information collection, the library is an important base for people to master information and increase knowledge. The traditional library development model has been unable to meet its requirements in the new century. It is necessary to actively adopt informationization methods to further expand the library's capacity. Promote the development of libraries. How to build a library information development model under the new situation is an important subject. Based on this, this article conducts research on the informatization construction of university libraries, focuses on analyzing the existing problems, and proposes research countermeasures.

2. The Construction and Significance of University Library Office Informatization

2.1. Status of Informatization Construction in University Libraries
The university library is the school’s document and information resource center. It plays an irreplaceable and important role in the construction of school informatization and shoulders the responsibility of teaching and research services. With the development of information technology and digital libraries, college libraries have entered a new era of digital construction. In the entire process of library management informationization in China, colleges and universities are at the forefront of development. Many universities have gradually used relevant computer technologies to manage libraries. China also attaches great importance to the development of library management
informatization construction projects. The informatization construction of college libraries has become a major trend, and most library informatization construction has begun to take shape. Most colleges and universities in China have their own books and information related websites, which have advantages in hardware facilities, software resources, and talent team construction. Some colleges and universities have also accelerated the development of personal databases. Not only is the degree of informatization high, but it also integrates informatization with campus concepts and professional characteristics, such as the informatization construction of libraries in Tsinghua University and Peking University. However, different universities attach different importance to the informatization of library management. There are still some universities that are hindered in promoting the construction of informatization in library management, and their role is very small.

2.2. Significance of University Library Information Construction

Library information collection, management and other work contents have been changed by the development of informatization. The traditional book management model has been unable to meet the needs of school teaching and students' information resources, technology and services of the library. The development of informatization has gradually changed the school's teaching philosophy and teachers' teaching methods and methods, creating a good teaching environment for college teachers and students. Therefore, the management, service and technology of the library should adapt to the development of the times, and the teaching facilities should be continuously improved.

Promoting the informatization construction of college libraries has the following significance.

First, the informatization construction of university libraries is the actual need to realize resource sharing. The library relies on network technology, takes resource sharing as the guiding ideology, achieves the sharing of library resources through rational allocation of resources and integration of resources, provides a good teaching platform for teachers and students, and rationally arranges limited resources. Fully meet the needs of college teachers and students for resource sharing.

Second, it helps to improve the quality of library services. The development of network information technology is in a state of rapid development, and teachers and students are increasingly eager for knowledge. The use of digital network platforms by libraries is an irresistible trend. Strengthening university library management informatization can provide teachers and students with a rich knowledge base, and teachers and students can better communicate and learn. The quality of library services can be improved by strengthening the informatization of university library management libraries. By constructing a comprehensive Internet digital service integration platform, the degree of library management informatization can be improved to the greatest extent to facilitate readers' learning and living.

Third, it helps to improve basic human services. By promoting personalized information services and intelligently managing libraries through artificial intelligence and information, the effect of resource and knowledge sharing can be achieved. The informatization of book management can be realized quickly due to the convenience of digital network platform services, so as to realize the sharing of multi-dimensional book resources, and fundamentally promote the progress of human social science and technology exchange and spiritual civilization construction exchange.

Fourth, it is necessary to ensure that our own development meets the needs of social development. Under the development of science and technology, the integration of library business and information technology can truly meet the needs of the development of the times. With the rapid development of China's social economy, the development direction of libraries has gradually changed from a traditional model to a digital development model. Libraries must meet the rapid social and economic development by strengthening information construction and updating service forms and methods. The library plays a certain role in readers' thinking development and people's thinking mode. Therefore, in the new form, the library needs to actively change the traditional management mode and strengthen the information construction in order to truly provide high-quality services and meet the needs of society and Variety.
3. Analysis of Factors Restricting the Construction of Office Informationization in University Libraries

3.1. The scientific development concept has not been formed. The informatization construction of university libraries requires the university management to establish a scientific development concept. At present, many colleges and universities still have insufficient awareness of the importance of informatization construction, lack of the concept of information resource construction, lack of long-term overall planning, neglecting the needs of teachers and students for information resources and the huge potential of academic resources, etc., affecting libraries The development direction of informatization. The development level of information resources is low, failing to build a data resource database with certain characteristics and scale, and failing to effectively integrate information resources. At the same time, the lack of plaques in information technology professionals, the uneven level of personnel and literacy, and the irrational team structure severely restrict the process of library information construction.

3.2. The degree of data resource sharing in library management is not high. In the process of library management informatization, the importance of data resource sharing was not recognized, and the awareness of information management was seriously insufficient. Many colleges and universities only provided services in accordance with the relevant requirements of the school passively, and did not take corresponding measures to better promote the sharing of data resources. The readers' participation in the construction of library management and informatization is not high. Many readers do not realize their responsibilities. They believe that informationization construction is the responsibility of library managers. They only need to enjoy the convenient services brought by informationization. Readers have insufficient incentives for informatization construction. They do not understand the specific ways of informatization participation, so they cannot better participate in the informatization construction process.

3.3. Infrastructure construction is relatively weak. At this stage, many domestic college libraries have serious problems in terms of basic hardware facilities. Many computer software and hardware equipment lack the ability to update in a timely manner. Even some colleges and universities still stay in the manual management stage, which causes the actual efficiency of library management. low. Even in some college libraries where computer equipment has been installed, the construction process has
not really combined with their actual management situation. In addition, many college software developers have lower practical skills, which has led to the existence of many colleges for the development and maintenance of management systems. Many loopholes and shortcomings have not formed a coordinated situation.

3.4. The level of personalized service is not high. At present, the digitalization of the collections of many college libraries is very low, and the network information resources that can be provided are very limited. At the same time, there are problems of underutilization of book management resources in many colleges. Although most libraries have dedicated electronic reading rooms for readers to read electronic information. However, in practice, the utilization rate of the library's electronic reading room is not high, resulting in a waste of resources. In addition, with the continuous rise of new media, it has had an important impact on the informatization construction of university libraries, but many universities have not yet recognized its importance in terms of management models and service consciousness, and lack diverse service channels.

4. Countermeasures to Accelerate University Library Informatization

In order to effectively solve the problems in library informatization construction and improve the level and quality of library informatization construction, it is necessary to strengthen the meaning of informatization, improve the infrastructure, strengthen the integration of resources, and attach importance to talent introduction and training.

4.1. Improve the awareness and construction level of information management. Attention should be paid to the construction of informatization, innovating the book management model, improving the book management information system, and comprehensively improving the service management level of colleges and universities. Facing the new problems of library information management, we must increase library infrastructure construction, pay attention to investment in book management systems, especially investment in information infrastructure construction, and ensure that capital investment can achieve maximum output. Actively create conditions to improve technical conditions and effectively improve personnel quality and management level. We must attach importance to the introduction and cultivation of high-quality information-based talents, be able to give corresponding guidance on information resource services in different disciplines, take necessary measures to strengthen the introduction and cultivation of talents, and comprehensively establish a sense of autonomous learning among staff.
4.2. Innovate the library service model. "Personalized service" is one of the important contents of the service concept reform of university libraries. Under the guarantee of the management quality of software and hardware facilities of university libraries, the service model, service concept, service content, and service methods in the library should be improved. We should analyze the reader's needs and adjust the literature resources through the specific requirements and personalized hobbies of the literature that the reader wants to know. It is necessary to improve the personalized service level of libraries, use the results of data analysis, and use data mining technology to rationally arrange the work of librarians and improve the utilization of resources. It is necessary to improve the integrated development of resources, innovate the development and use of information services, and improve the construction of library informatization in accordance with the actual situation of the school.

4.3. Effective integration of information resources. When libraries implement information construction, they need to make accurate positioning, make use of the characteristics of literature resources and network advantages, ensure that information resources can be used reasonably, establish distinctive information databases, and actively build new libraries to make them comprehensive. An important platform for sharing sexual information. A fast and accurate information system should be established, using computer technology, combined with the advantages of its own hardware conditions, to strengthen the management of materials, collections and documents in the library. Sorting and categorizing data by using scientific search engines. The accurate statistics of the database are used to arrange the literature resources, and to select and classify them, so that teachers and students can find the required literature materials accurately and quickly, and make full use of the library resources.

4.4. Improve the basic quality of library staff. The quality of library staff is related to the quality of library information construction. The quality of library staff determines the development of information construction. It is necessary to strengthen the education and training of library staff, and actively enhance the professional ethics of library staff. While improving their professional capabilities, they can also enhance the comprehensive literacy of library staff and truly realize library informationization. Innovative development. It is necessary to actively set up a reasonable internal organizational structure, improve the efficiency of library management, and improve the accuracy and effectiveness of information processing.

5. Conclusion

The library plays a very important role for students and teachers to obtain information resources. The advent of big data has made library information services more intelligent and personalized, and has improved library efficiency. University libraries should recognize the importance of information service innovation, actively expand the reader service work of university libraries, and let the majority of teachers and students feel the power of knowledge in a comfortable and warm environment. However, the main problems existing in the information management construction of libraries include insufficient information management awareness, relatively weak infrastructure construction, shortage of information construction talents, and lack of diversified service channels. To this end, we should increase the awareness of library information management services, attach importance to the construction of infrastructure, attach importance to the introduction and cultivation of high-quality information talents, and increase the intensity of integrated development of resources.

References

[1] Chen S F. On Informatization Construction of University Library[J]. Journal of Hengshui University, 2011.

[2] Jing Du, Daoliang Li, Hongwen Li. Application of Grey Prediction Model in Rural Informatization Construction[C]// 2010.

[3] Wei, Ying. The Construction of Colleges and Universities Library Unified Information System Based on Guangxi Regional Features[J]. Applied Mechanics & Materials,
543-547:3151-3155.

[4] Zhu Y. Position and Function of Library in Agricultural and Forestry Universities in the Construction of Rural Informatization[J]. 2008.

[5] Peng, Xu Fu, Shi, Shu Dong. The Research on University Libraries "Four-in-One" Cloud Computing Services Social System[J]. Advanced Materials Research, 791-793:1297-1300.

[6] CHEN Lin, Jiangsu Normal University. Research on the Characteristics of China Vocational Education Informatization Innovation[J]. Modern Educational Technology, 2014.

[7] Yin Feng. The Discussion on Information Resources Co-Construction and Sharing of Double-Type Society Building in Chang_Zhu_Tan City Cluster[J]. Library, 2009.

[8] WU Xiao-xia. Research on the Informatization Development Strategy of Yuncheng City in Eleventh-five-year Plan Period[J]. Sci-Tech Information Development & Economy, 2007.

[9] Xichuan Guo. "THE SCIENTIFIC AND TECHNICAL SERVICE FUNCTION OF AGRICULTURAL DIGITAL LIBRARY IN COUNTRYSIDE INFORMATIZATION DEVELOPMENT AND CONSTRUCTION UNDER NETWORK ENVIRONMENT." 2008.

[10] Chen Nenhua, Liu Kunxiong. A Study of the Transformation of Library Management Patterns in the Informatization Environment[J]. Journal of the Library Science in China, 2004.

[11] Atsuo Miyasawa. A historical overview and discussion of library functions forward the high-informatization society[J]. Journal of Information Processing & Management, 2008, 38(2):115-124.

[12] Chen H. Research on the Management of Digital Library Under Informatization Background[M]// Proceedings of the 9th International Symposium on Linear Drives for Industry Applications, Volume 2. 2014.

[13] Chen Nenhua, & Liu Kunxiong. (2004). A study of the transformation of library management patterns in the informatization environment. Journal of the Library Science in China.

[14] Duff, Alistair S. Four “e”pochs: the story of informatization[J]. Library Review, 52(2):58-64.

[15] Chen, S. F. (2011). On informatization construction of university library. Journal of Hengshui University.

[16] Weng Jia. On the Indexes Involved in Information Resource of the Measurement of Informatization[J]. Library & Information, 2007:21.

[17] L. Maosheng, F. Zhenjia, Z. Lili. The development, current state, and effects of community informatization in Mainland China[J]. Library Trends, 2013, 62(1):13-33.

[18] Soproni, Luminita, Horga, Ioan. Global communication as a result of globalization and informatization[J]. Mpra Paper, 2008.