Research on Digital Resources Construction and Library Allocation Transformation of University Library in the New Era

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Abstract: In the network information age, with the development of digitalization and networking of libraries, the collection information resources of libraries have been greatly enriched and developed. The network environment has created unprecedented favorable conditions for the organization, management, development and utilization of library information resources, and also put forward higher requirements. With the development and popularization of Internet information technology, digital reading has become the vane to lead the change of social reading mode, and it is inevitable for university libraries to accelerate the pace of digital resources construction. In this context, if traditional publishing houses do not update their publishing concepts and innovate their publishing models, and library distributors do not expand their e-book marketing business, the library distribution market will gradually be marginalized. University libraries should actively promote the transformation of library allocation based on the development of the times, and further optimize the database structure of university libraries by improving the resource procurement scheme, speeding up the construction of characteristic collections, and promoting the group resource procurement.

1. Introduction

With the increasing popularity of electronic products, the theme function of library services for users has changed from a single paper resource to the paper resource and electronic resource [1]. The overall function design of the library has changed from the collection function in the past to the new collection and reading mode of people, community and communication innovation. With the advent of the information age, the types of information collected by university libraries and the amount of information to be stored have shown an explosive growth. In the process of teaching, scientific research and other work, university teachers and students need to find a lot of literature [2]. In the era of network information, with the development of library digitization and networking, the collection information resources of the library have been greatly enriched and developed [3]. The network environment creates unprecedented favorable conditions for the organization, management, development and utilization of library information resources, and also puts forward higher requirements. University library must attach importance to and strengthen the construction of information resources and information services in order to meet the needs of the times and social development [4]. Publishers and library distributors should face up to the inevitable trend of digitalization, expand business scope, deepen service connotation, improve service quality and efficiency in combination with their own development status and characteristics, and complete the perfect transformation in the digital era [5].

With the remarkable achievements of digital library construction and the convenient and efficient use of digital resources, it has been widely recognized in universities. The construction of digital library greatly reduces the space occupied by information storage, and students can browse and search relevant literature and information through some intelligent devices such as mobile phones and other mobile terminals [6]. In the era of information network, as an important part of university teaching and research, University Library's information service and information resources present many new characteristics, including the enrichment and diversification of information service content, the modernization of information service methods and means, the diversification and sharing of information resources, the popularization of reader education and the diversification of reader consultation [7]. At present, most university libraries have formed a certain

scale of digital resources system. Improving the quality of digital resources construction and giving full play to its huge economic and social benefits have become the primary task of university libraries. Based on the development of the times, university libraries should actively promote the transformation of Library allocation, and further optimize the database structure of university libraries by improving the resource procurement scheme, accelerating the construction of characteristic collections, and promoting group resource procurement [8]. It is necessary to improve the use efficiency of digital resources and promote the standardized and orderly development of digital resources trading market, so as to make the university library truly become a high-quality resource serving the vast number of teachers and students and educational and teaching activities.

2. Positive performance of digital resources construction of University Library in the new era

At present, the investment and scale of digital resources construction in Chinese university libraries continue to increase, and a reading service system has been established relying on the network environment and information technology, and students and users are helped to develop good digital reading habits through education guidance and reading services. Because of the complexity and disorder of network information resources, it is necessary to organize and arrange them and carry out secondary development, so that they can be truly used in library reader service. Under the present circumstances, university libraries can develop network information resources in the following ways to provide readers with more effective, all-round and diversified information services. Digital resources have various forms and are easy to preserve, and have developed rapidly with the help of network information technology and digital technology. Their characteristics of sharing, spanning time and space, and separability have laid an important foundation for the development of digital resources in university libraries. Through the network, the staff will urge the overdue books online, and the readers can also check their borrowed books and their borrowing and returning dates through the network [9]. Open an online reader's guide on the homepage of our library, and surf the Internet with the contents and methods of various high-quality services, thus effectively navigating information for readers. The construction of digital resources is an important cornerstone of the development of university libraries, but it is essential to transform digital resources into effective digital reading.

In the long-term practice, relying on large-scale digital resources and advanced network information technology, the university library actively explores the mode and path of digital reading service for all teachers and students, and gradually forms a widely related and three-dimensional interactive reading service system, which plays a significant role in promoting the utilization efficiency of library digital resources. Electronic reading room is the product of adapting to the network and digitalization of the library, the window for teachers and students to retrieve information resources and exchange information, and the main component of expanding service functions and deepening service scope of the library. However, at present, the construction of multi-functional electronic reading room in university library needs to be strengthened, and it is necessary to dig, sort out and develop the collection information resources, and integrate them in an orderly way, so as to show the information resources to readers in the form of CD-ROM, network and database as much as possible, so as to provide readers with the service of browsing and retrieving electronic information. In addition to investing a lot of money in digital resources construction every year, universities are always thinking about how to improve students' reading interest and how to effectively connect appropriate resources with students. With the wide penetration of Internet social interaction among students, it has become an inevitable result of deepening the influence of reading and improving the service level of university libraries to embed the university digital library system into public Internet platforms and communities, or to build knowledge communities by using third-party application platforms.

3. Library allocation transformation of digital resources construction of University Library in the new era

3.1. Optimize database structure based on actual demand

The construction of digital resources in university libraries is a general trend, but the system, structure and scale of digital resources construction are not completely unified. In the process of digital resources construction, university libraries should fully analyze the school-running level and strength of colleges and universities, identify the characteristics and direction of colleges and universities, and do a good job of resources construction around key disciplines in schools. As far as China is concerned, the construction of university digital library must be based on the realistic conditions. Through in-depth study of the realistic conditions, the principles of unified planning, unified standards and unified norms should be taken as the principle, combined with the long-term development goals, coordinated and synchronized with each other. Libraries are still eager for high-quality digital resources. At present, the construction of e-books in most universities is completed by purchasing e-book databases. Database vendors collect low-priced e-books and bundle them for sale. Many books can't meet the actual needs of readers, which also causes the waste of library books. For journals with less usage and scattered demand, the university library should adopt the pay-per-article mode to order electronic journals, so as to avoid the waste of resources caused by ordering certain journals all year round due to a small amount of scattered demand, make the use price of a single journal in a reasonable state, and further improve the utilization rate of financial resources of the university library. The construction of digital library does not involve all libraries, but takes national key universities and national and regional network centers as the core, and university libraries in various regions as the auxiliary, and carries out coordination work.

3.2. Quicken the development of self built database in pursuit of stimulating vitality

Facing the realistic predicament of insufficient vitality and serious outflow of resources, universities should actively change the ideas and ideas of digital resources construction in libraries. At the content level, universities should pay attention to the comprehensive activation and protection of their own resources, and try to establish a complete self-built library system by referring to the ideas of resource integration and characteristic library construction of other universities. In view of the weak links in capital and technological innovation and development of China's current university libraries, if we want to strengthen the digitalization construction of university libraries, we must start from this aspect, actively mobilize the personnel from the business and information technology sectors to participate in this construction project, and absorb the available funds from the society to increase and speed up the digitalization construction of university libraries. Because of the particularity of the carrier of e-books, it is easy to be copied, resulting in the risk of infringement. Therefore, when examining the qualifications of library distributors, the library should check whether the library distributors have business licenses and authorization instructions for digital products, and whether e-books are regular publications and copyrights. The universities should keep close contact with each other, especially the universities in the region should prevent the homogenization of characteristic databases in terms of positioning and content. Figure 1 shows the construction structure of library digital resources under the information ecology.

At the copyright level, the construction of university characteristic database should focus on its own characteristic resources with copyright, and can also make full use of the collection resources that have passed the copyright protection period, and build a full-text database after digital processing. Improve the digitalization of printed resources in traditional libraries, strengthen the digitalization of printed public publications that are not collected, increase the number of electronic publications, and strengthen the processing of online information, so that it can be carried out in an orderly manner. Faced with a large number and variety of information resources, the acquisition librarians should take meeting the diversified needs of readers at different levels as the primary task, coordinate the purchase ratio of paper books and electronic books, optimize the structure of

collection resources, and strive to give consideration to both collection and use. In addition to allocating special funds for platform construction and technology introduction, universities should also closely link self-built libraries with related disciplines, and form a capital construction mode led by key disciplines and characteristic disciplines of universities and supported by academic, scientific research, educational achievements, treasured materials and other resources, so as to speed up the transformation and utilization of universities' own resources.
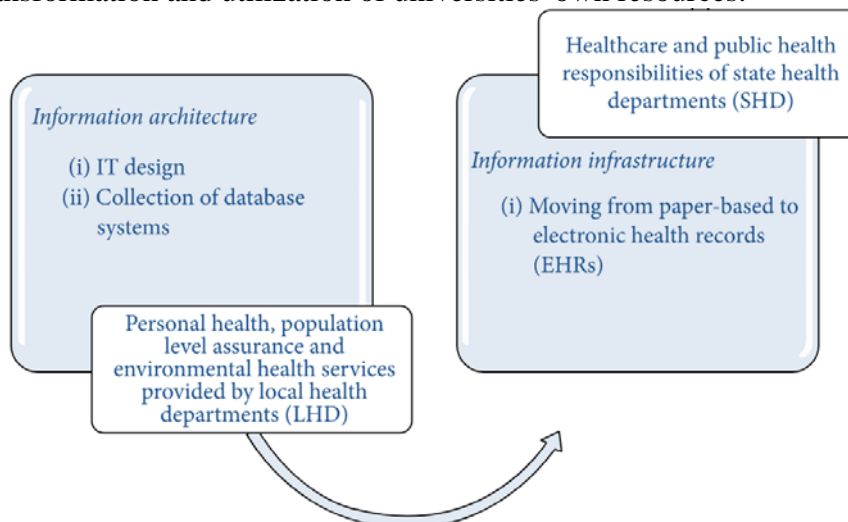

Figure 1 Library's digital resource construction structure under the information ecology

4. Conclusions

The digital construction of library is the need of the development of the times. The librarians of universities should reform the digital construction of library in universities according to the changes of the times, and give full play to the advantages of university libraries. In the Internet age, the "dominant" position of paper resources construction in university libraries has obviously shaken, and digital resources construction has become an important means to meet the needs of users and promote the in-depth reform of universities. The construction speed of digital library is gradually accelerated, which makes the university education mode more convenient, and the efficiency of students searching some information resources is also improved. In the process of digital resources construction, only by sticking to the initial intention and strengthening the alliance can university libraries broaden the space for the breakthrough development of libraries. Universities should strengthen the analysis of the current situation of the development and construction of university libraries in the new period from various aspects, and put forward corresponding countermeasures according to the actual situation, so as to promote the construction of university digital libraries. University libraries must renew their concepts, enhance their awareness of information service, strengthen the construction of information resources, start with improving the service level and quality of readers, take readers' demand as leverage, innovate the means and content of information service, continuously improve the quality of information service, and provide readers with all-round and diversified information services.

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