Research on the Integration of Library Information Resources Based on the Trend of Digitization

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Abstract

Digital library is a kind of library internet platform that uses digital technology to organize and store books, documents, materials, audio and video in the library and the Internet, whose essence is the distributed information service system based on multimedia technology. In the digital library, it is not only possible to access various forms of digital resources on the Internet more systematically, but can conduct digital processing on the literature data stored in the library, which is related to the collection, organization and storage, retrieval, transmission and usage of information resources. This effectively enhances the effect of the preservation and dissemination of the literature data in library and plays an important role in promoting the social educational function of the library. However, influenced by many subjective or objective factors, there are still some problems in the integration of the information resources in digital library, which has greatly restricted the development of digital library. Therefore, how to carry out the integration of library information resources under the background of digitization has become a major problem in the development of libraries. Through the analysis of digital library, this article expounds the main problems in the construction of the digital library and puts forward the idea of integrating the information resources of the digital library, which is of reference significance in the development of the digital library.

Keywords: Digital, Library Work, Information Resources.

1. RESEARCH REVIEW

1.1 Research Background

With the constant development of the spiritual civilization constructing activities in our country, the knowledge-based society has become an important direction for the social construction in our country. As an important institution with the function of social enlightenment, the library plays a decisive role in the construction of a knowledge-based society. Through the construction of digital library, the library can play a better role in the construction of a knowledge-based society and achieve the resource integration of in the intelligent retrieval system like Internet resources, think tanks and databases, which plays an important role in the social enlightenment in this knowledge-based society.

1.2 Literature review

Compared with the traditional library, digital library has some advantages, which is mainly in the following points: Firstly, the information storage space in digital library is larger, and covers a small area. Only a terminal server is needed to achieve the digital storage of literature. In addition, the resources in this model are more secure than paper resources, problem like data loss can hardly occur; secondly, it is more convenient to search the information. In digital library, the resources can be found within a short time through the keyword search and there is no need to search in the vast quantities of books; Thirdly, it is possible to realize the remote delivery of information. Readers can transmit the information by simply passing the information in the webpage in digital library and thus has higher convenience; finally, the same information can be used simultaneously by many people, which avoids the problem that one book can only be used by one person in traditional library (Zhang and Li, 2015). Compared with traditional library, the digital library can store literature of different formats and types of information, and is no longer limited by the physical space. Through the keyword search, the search accuracy and convenience has greatly improved greatly. Moreover, the transmission of information is faster and high degree of resources sharing can be achieved. Therefore, digital library is the main direction for
the development of contemporary libraries (Li et al., 2016). The construction of digital library will face some problems, which is mainly reflected in the following points: the first is the waste of resources. The construction of digital library in China has a late start and is lacking in construction experience. It is very common to see problems caused by extensive construction and large sum of money is wasted in repeated low-level construction. The second problem is the issue of information copyright. The resources in digital library can easily be copied to other places, which violates and the copyright of the literature. The third problem is the lack of funds for construction. It is inevitable to consume a large amount of money to carry out the construction of digital library. However, libraries generally are not profit-making agencies, which means it is difficult to mobilize sufficient funds to carry out construction. The final problem is the quality of librarians of digital library. The requirement for information technology is not strict in traditional library work and the information technology level of librarians is insufficient (Hu and Hu, 2016).

2. BASIC CONTENT OF DIGITAL LIBRARY

With the continuous development of information technology, computers, mobile phones and network are becoming more and more popular. Social networking, entertainment and learning via the Internet have become almost an integral part of life and work for everyone in every day. Meanwhile, people are more and more demanding on information and often search for related information on the Internet. To better satisfy people's needs for information, we must strengthen the integration of information (Feng and Xin, 2016). Digital library is an inevitable trend of the development of traditional libraries, which can organize and use good resources in libraries and on the Internet. Readers can refer to related literature in digital library in their scattered time, which effectively improves the utilization rate of resources in digital library and exerts its function of social enlightenment, promoting the construction of the knowledge-based society (Xiao and Zheng, 2012).

3. MAIN PROBLEMS IN THE INTEGRATION OF INFORMATION RESOURCES IN DIGITAL LIBRARY

3.1 Lack of uniform technical standards

At present, the vast majority of libraries are carrying out information and digital construction. However, due to the late start of digital construction of libraries in China, there is no experience in restructuring, each library will have different norms and standard in exploring the construction path. This kind of problem has a positive effect on the development of a single library, but it will exert negative impact on the overall development of digital libraries in China (Ou, 2012). On the one hand, the lack of uniform technical standards for digital libraries will make it more and more difficult for users to retrieve information, which is not conducive to playing the role of social enlightenment. On the other hand, libraries are independent and very difficult to learn from each other, which leads to slow and low level of construction. This is not conducive to the further development of digital libraries (Li et al., 2014).

3.2 Lack of theoretical support for the construction of digital library

Any scientific development cannot be separated from the support of the theoretical system, and the same is true of digital library construction. Due to the lack of the theory of the digital library construction, the development path of digital libraries in China lacks coordination and harmonization and the problem of low resource utilization rate can also be found, which is also one of the key factors that leads to the low level of digital library construction (Zhao, 2014). At present, the method used by each library in the digital construction is different, so it is impossible to designate a unified theoretical system standard. Most libraries just simply use digital technology to construct and integrate information resources, which leads to the duplication of information resources in digital libraries. This is a waste of construction funds and is not conducive to the sustainable development of digital libraries (Qiu et al., 2014).

3.3 Lack of fund sources

The construction of hardware facilities in library calls for the investment of large amount of manpower, material and financial resources. If the library is lacking in funds, it is not only difficult to obtain financing, but may lead to the termination of the construction project, which exerts a profound impact on the sustainable development of
libraries (Su and Xia, 2011). Therefore, in order to ensure that the library can better exert its function of social enlightenment, it is necessary to have a stable source of funds. However, relatively speaking, the library has limited revenue and it is difficult to maintain the construction of digital library based solely on the profits of the library. What’s worse, if corresponding payment function is included in the digital library, it will not be used by the vast majority of readers, which in turn means that the construction of digital libraries is highly dependent on stable funding chain, which has a negative impact on the construction and development of the digital library (Yin et al., 2011).

4. INTEGRATION PATH OF LIBRARY INFORMATION RESOURCES UNDER DIGITAL BACKGROUND

4.1 Development of digital technology

In our country, the concept of digital library originated in the 1990s. With the continuous improvement of China's science and technology and economic level, the importance of digital library compared to traditional libraries has gradually been taken seriously by people, and the construction of digital library has also been put on the agenda by libraries. The earliest information management system of digital library mainly aims at some targeted documents or special information, whose value is relatively high. With the continues development of digital library, the scope of digital library is more and more extensive, which has evolved into an information center with wide distribution, high openness and social enlightenment (Cheng, 2015). Subsequently, the management concept of the library has been adjusted accordingly, transforming from traditional way of storing books to satisfying the needs of readers. The development of the digital library has greatly promoted the development of the users' needs. In recent years, the high level of development of digital library is essentially the high level of information technology. In the era of the Internet, the channels for people to obtain information and knowledge are not only confined to the classroom and books. Through the Internet, people can access information resources with high quality and wide range, which plays an important promoting role in the development of digital libraries. Therefore, the core of the integration of digital library information resources and only the library with sufficient infrastructure can better promote the development of digital libraries.

4.2 Broadening financing channels

At present, the main factor restricting the development of digital libraries in China is the shortage of funds. Libraries are not profit-making agencies by nature, whose profit is relatively limited. Most of libraries can only maintain their normal operation but cannot afford the expensive information construction. In the context of knowledge-based society, libraries can play a more and more enlightenment role, and the construction of digital libraries is no longer the demand of their own development. Therefore, the government should attach great importance to the construction of digital libraries. On the one hand, government should make the corresponding financial investment, and on the other hand, government should broaden the financing channels for digital libraries by constructing financing modes such as PPP. Thus, it will bring sufficient construction funds for digital libraries, which can effectively improve the construction of infrastructure in libraries, and promote the continuous development of digital libraries (Zhang and Li, 2015).

4.3 Cultivating more high-quality talents

The development of any country and organization is inseparable from the high-quality talents. In the construction of digital library, the information quality of staff is insufficient and this problem will lead to the decline of the information resources integration ability and service capacity, which is not conducive to the sustainable development of digital library. Therefore, in the construction of digital library, great importance should be attached to the construction of talent team. On the one hand, we should employ high-quality talents in digital library to lead the staff team and teach the staff how to be better conduct the work of information resources and information service. On the other hand, experts and scholars in this industry can also be invited to elaborate the future development trend of digital libraries and carry out the teaching of digitized knowledge in the form of forums or lectures so as to effectively improve the working level of the talent team (Yang, 2013).
4.4 Providing better information services

In the market economy, the quality of the enterprise's products determines the development prospects of enterprises to a certain extent. Only the digital library which provides better services can stand out in a large number of digital libraries, thus obtaining a broader development prospects. Therefore, in the construction of digital libraries, we should not only pay attention to the ability to integrate information resources, but how to use the integrated information resources to carry out corresponding services for readers. Digital libraries can analyze readers' reading habits and preferences through the reading technology and push books according to their personalized characteristics, which is of great significance to improving the service quality of digital libraries (Xie and Liu, 2017).

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