

Problems and solutions of information resource management in university digital library

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Abstract: This paper analyzes the main problems of information resource management in university digital library. Among them, the function transformation is not done well, that is, the understanding of digital library still stays in the traditional library management mode, and fails to make full use of digital technology to improve the service level; The foundation is not solid and the professionalism is poor, which is mainly reflected in the construction of digital library, the operation of network, storage and other equipment, and the exchange of data and resources. The unsound management system and the lack of unified information resource management standards lead to the limited sharing and utilization efficiency of information resources. Aiming at these problems, this paper puts forward to strengthen the research and development of information resource management technology of digital library, and improve the efficiency of information resource management of library.

1. Introduction

1.1 Background and Significance of information resource management in university digital library

Information resource management of university digital library is a new library management mode produced with the development of Internet technology, and its importance is self-evident. With the progress of science and technology, the management mode of library is also constantly changing. The establishment of digital library is a major turning point in the history of library development. The information resource management problems and the solution countermeasures of university digital library are the problems that must be faced and solved in the process of library development.

With the continuous development and popularization of Internet technology, digital library, as a new library form, has gradually become an important part of university library. The traditional library management mode has been unable to meet the needs of modern society. Therefore, the emergence of information resource management of digital library in colleges and universities is a major turning point in the history of library development.

What is the purpose of information resource management in university digital library? Its main purpose is to realize the digitalization, network and intelligence of library resources, improve the quality and efficiency of library service, and meet the needs of readers. Digitization is the general trend of the development of the library. Through digitalization, it can greatly improve the utilization rate of the library resources. In the meantime, at the same time, it is also convenient for readers to

consult anytime and anywhere, which greatly improves the service efficiency of the library. Network is an inevitable trend of the development of modern society. Through the network, it can realize the sharing of library resources, improve the utilization rate of library resources, and at the same time, it is also convenient for readers to consult anytime and anywhere, greatly improving the service efficiency of the library. Intelligence is the future trend of library development. Through intelligence, the automatic management of library resources can be realized, and the service quality and efficiency of the library can be improved. At the same time, it is also convenient for readers to consult anytime and anywhere, which greatly improves the service efficiency of the library[1].

However, there are also some problems in the process of information resource management in university digital library. For example, the information resource management of digital library requires a lot of technical and human input, which brings great economic pressure to the library. In addition, the information resource management of digital library also needs to solve some technical problems, such as how to ensure the privacy of information resources, how to ensure the integrity of information resources, how to ensure the availability of information resources, etc.

In order to solve these problems, we need to take some effective measures. First of all, we need to strengthen the research and development of the information resource management technology of the digital library, and improve the efficiency of the information resource management of the library. Secondly, we need to strengthen the construction of library human resources and improve the ability of library information resource management. In addition, we also need to strengthen the research and formulation of the library information resource management policy, to provide policy support for the information resource management of the library.

1.2 Problems faced by the information resource management of university digital libraries

The information resource management of the university digital library is an important part of the development of the university library in China, and its management directly affects the service quality and efficiency of the library service. However, with the rapid development of digital library, a series of problems also appear, and the corresponding solutions will be discussed in detail below.

1) Resource acquisition and integration issues

With the development of digitization, the form of library resources is also constantly changing, and the proportion of digital resources is getting higher and higher. However, the problem of the acquisition and integration of digital resources has always existed. On the one hand, there are many channels to obtain digital resources, but the acquisition cost is high, and there are copyright problems; on the other hand, the integration of digital resources is difficult, different formats of digital resources need different processing methods, and the integrated resources need to be classified, marked, described, etc. Therefore, it is necessary to establish a perfect set of digital resource acquisition and integration mechanism, including procurement, copyright, storage, management and other aspects of the system, to ensure that the acquisition and integration of digital resources can be carried out efficiently and stably[2].

2) Resource storage and sharing issues

The storage and sharing of digital resources is also one of the problems facing the digital library information resource management. The storage of digital resources needs to consider the storage capacity, storage security, storage cost and other factors, while the sharing of digital resources needs to consider the rights, access, use and other aspects. At present, the problem of storage and sharing of digital library has been solved to a certain extent, but there are still some problems. For example, the storage capacity of digital resources is insufficient, the sharing permission of digital resources is not clear, and the access speed of digital resources is slow. Therefore, it is necessary to establish a perfect set of digital resource storage and sharing mechanism, including storage capacity, storage security,

storage cost and other aspects of the system, to ensure that the storage and sharing of digital resources can be carried out efficiently and safely[3].

3) User service and experience issues

The user service and experience of digital library is also one of the problems of digital library information resource management. The user service of digital library needs to consider the user needs, user experience, user service and other aspects. At present, the user service of digital library has been solved to some extent, but there are still some problems. For example, the user service is not timely, the poor user experience, the user service is not in place and other problems. Therefore, it is necessary to establish a set of perfect user service and experience mechanism, including user needs, user experience, user service and other aspects, to ensure that the user service and experience of digital library can be carried out efficiently and satisfactorily.

To sum up, the problems faced by the information resource management of university digital library mainly include the problems of resource acquisition and integration, resource storage and sharing, user service and experience, technical support and security guarantee, and personnel training and information construction. To solve these problems need to establish a set of perfect digital library information resource management mechanism, including digital resource acquisition and integration mechanism, digital resource storage and sharing mechanism, digital library user service and experience mechanism, digital library technical support and security mechanism and digital library personnel training and information construction mechanism. Only in this way, can we better meet the needs of users, improve the service quality of digital library, and promote the development of digital library.

2. The problem of information resource management in university digital library

2.1 Resource acquisition and integration issues

With the advent of the digital age, the information resource management of the university digital library has attracted more and more attention. How to effectively obtain and integrate these resources, has become a major topic in front of us.

First, the resource acquisition problem. With the rapid development of digital library, the number and types of library resources are increasing, and how to effectively obtain these resources has become an important problem. Secondly, it is the problem of resource integration. After obtaining the resources, how to integrate effectively is also a problem we need to solve. Finally, the resource update issue[4]. The resource renewal speed of digital library is fast, so we need to establish a set of perfect resource renewal mechanism to ensure that the library resources can always meet the needs of users. This includes regularly updating resources, tracking the latest research trends, and working with relevant agencies. At the same time, we also need to pay attention to the problem of eliminating resources, avoid redundant construction, and improve the utilization rate of resources.

2.2 Resource storage and sharing issues

Information resource management of university digital library is an important topic in the field of higher education, which involves the storage and sharing of library resources. How to store and share resources effectively and improve the utilization rate of resources is a challenge for the digital library. This paper will discuss the problem of storage and sharing of university digital library resources in detail, and put forward the corresponding countermeasures.

First of all, the resource storage problems of university digital library mainly include insufficient storage space, backward storage equipment, non-standard storage management and so on. Secondly, the resource sharing problems of university digital library mainly include the imperfect resource

sharing mechanism, the backward resource sharing technology, and the weak consciousness of resource sharing. In view of the above problems, this paper proposes the following solutions:

1) Increase the investment in storage space, improve the updating speed of storage devices, and standardize the storage management.

2) Improve the resource sharing mechanism, improve the level of resource sharing technology, and enhance the awareness of resource sharing. Libraries should establish a perfect mechanism of resource sharing, such as formulating resource sharing agreement and clarifying the authority of resource sharing, to ensure the fairness and rationality of resource sharing.

3) Establish a resource sharing platform to improve the efficiency of resource sharing and promote the in-depth development of resource sharing. Libraries can establish resource sharing platforms, such as using open source software and building digital resource sharing network, so as to improve the efficiency of resource sharing.

In short, the resource storage and sharing of university digital library is an important factor affecting the quality of library service. By increasing the investment in storage space, improving the resource sharing mechanism, establishing resource sharing platform and other countermeasures, the problem of resource storage and sharing in universities can be effectively solved and the service quality of library can be improved.

2.3 User service and experience problems

User service and experience are the core problems of digital library service. How to improve users' service experience is an important issue that digital library needs to pay attention to.

The service object of digital library is the majority of students and teachers, who need to quickly and accurately obtain various information resources. Therefore, digital libraries need to provide high-quality services, including fast response, accurate information retrieval, easy to use interface, personalized services, etc. At the same time, the digital library also needs to provide a good user experience, including friendly interface design, easy-to-use search tools, convenient display of search results, timely customer support, etc[5].

In order to solve these problems, digital libraries need to take some measures. First of all, digital libraries need to pay attention to the design of user experience. When designing the user interface, the needs and habits of users should be taken into account, so that users can quickly find the information they need. When designing retrieval tools, the accuracy and efficiency of the retrieval, so that users can quickly and accurately obtain the required information. When designing the display of retrieval results, the user's needs and preferences should be taken into account, so that users can quickly understand the retrieval results.

3. Solution

3.1 Establish a sound resource procurement and integration mechanism

Information resource management of university digital library is an important part of modern higher education, which plays an important supporting role in teaching, scientific research and talent training in colleges and universities. The establishment of a sound resource procurement and integration mechanism needs to consider the following aspects: Formulation of the procurement strategy, Selection of procurement channels, Formulation of procurement standards. Monitoring of the procurement process. Evaluation of the procurement results, Establishment of the integration mechanism, Monitoring of the integration process, Evaluation of the integration results.

To sum up, establishing a perfect resource procurement and integration mechanism is an important problem in the information resource management of university digital library. It is necessary to

comprehensively consider the procurement strategy, procurement channel, procurement standard, procurement process, procurement results, integration mechanism, integration process and integration results, so as to realize the optimization, integration and management of information resources, so as to improve the efficiency and quality of information resource management in digital library in universities[6].

3.2 Optimize the resource storage and sharing mode

In the problem and solution of information resource management in digital library of colleges and universities, optimizing the mode of resource storage and sharing is a crucial part. With the rapid development of digital library, the resource storage and sharing mode of libraries need to be continuously optimized to meet the needs of users and improve the efficiency of the library. This paper will introduce the countermeasures of optimizing resource storage and sharing mode in university digital library in detail.

1) Optimize the resource storage mode of the digital library

The resource storage mode of digital library needs to be optimized according to the actual situation. At present, the resource storage modes of digital library are mainly as follows: Local storage mode, Network storage mode, Hybrid storage mode

Therefore, optimizing the resource storage mode of digital library needs to be selected according to the actual situation. When choosing the resource storage mode of digital library, the factors such as storage capacity, access speed, security should be considered to meet the needs of users and improve the efficiency of the library.

2) Optimize the resource sharing mode of digital library

The resource sharing mode of digital library should be optimized according to the actual situation. At present, the resource sharing modes of digital library are mainly as follows: Local resource sharing mode, Network resource sharing mode, Mixed resource sharing mode.

Therefore, optimizing the resource sharing mode of digital library needs to be selected according to the actual situation. When choosing the resource sharing mode of digital library, factors such as storage capacity, access speed and security should be considered to meet the needs of users and improve the efficiency of the library.

3.3 Improve user service and experience

University digital library is an important part of modern higher education, which provides rich digital resources and services for teachers and students. However, there are still some problems in the information resource management, which we need to take effective measures to solve. Among them, improving user service and experience is one of the important directions for the development of digital library.

In order to improve the user service and experience, we need to pay attention to the following aspects: Strengthen the personalized service of digital library, Strengthen the user education of digital libraries, Strengthen the user feedback of digital libraries, Strengthen the technical support of digital library.

The information resource management of university digital library is a complex system engineering, which needs us to pay attention to many aspects, such as strengthening the personalized service of digital library, strengthening the user education of digital library, strengthening the user feedback of digital library, strengthening the technical support of digital library. Only by strengthening the service and experience of digital library can we better meet the needs of users and make contributions to the development of higher education.

4. Case analysis

4.1 Status quo and problems of information resource management in a digital library of a university

Information resource management of university digital library is an important part of modern higher education, which is of great significance to university teaching, scientific research and service. However, with the continuous development and improvement of digital library, the information resource management is also faced with some problems. This paper will discuss the current situation and problems of information resource management in a university digital library in detail.

First of all, from the current situation, the digital library of a university has established a relatively perfect digital resource management system, including digital resource procurement, cataloging, storage, release, utilization and other links. However, in the actual management process, the digital library also has some problems. First of all, the procurement and management of digital resources are not normative. Secondly, there are some problems in the sharing and utilization of digital library. Finally, there are also some problems in the talent team and management system of digital library[7].

In view of the above existing problems, this paper puts forward the following solutions: First, standardize the procurement and management of digital resources. Second, strengthen the sharing and utilization of digital resources. Finally, improve the talent team and management system of digital library.

To sum up, there are also some problems in the development of information resource management of university digital library, which need to strengthen management and improvement. Only by strengthening the information resource management of digital library can it better serve the teaching, scientific research and service of universities.

4.2 Solutions and implementation

The problem and solution of information resource management in university digital library is a very important topic. With the advent of digital age, the information resource management of university digital library is facing many challenges and problems. Among them, solutions and implementation are the important elements of this topic.

In view of the problem of information resource management in university digital library, we can adopt the following solutions:

- 1) Establish a sound information resource management system
- 2) Strengthen the collection and processing of information resources
- 3) Optimize the storage and management of information resources
- 4) Strengthen the sharing and utilization of information resources

In view of the problem of information resource management in university digital library, we need to strengthen the management of information resource, including the collection, processing, storage, transmission, utilization and evaluation, and adopt a variety of solutions to realize the goal of sharing and utilization of information resources in university digital library.

5. Conclusion

Information resource management of digital library in universities is an important support for the development of modern higher education. It not only provides rich digital resources for teachers and students in universities, but also provides convenient information services for the public. However, in the process of digital library information resource management, there are also some problems, such as uneven resource quality, insufficient sharing of information resources, and poor user experience.

The information resource management of university digital library is a systematic engineering involving multiple aspects, which needs to be comprehensively considered and optimized from the aspects of resource quality, information resource sharing, user experience and user needs. Only in this way, can we better meet the information needs of college teachers and students and the public, and promote the development of higher education.

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