

Strategies of the Promotion about Intelligent Management level of University Libraries Under the view of Informationization

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Abstract: University libraries is the place where college students and faculty must be involved in to complete teaching and scientific research tasks. In the new era of accelerated development of information technology, the management of university libraries is gradually developing towards the direction of intelligence, automation and openness. In the daily work of books and periodicals collation, archiving, retrieval and lending activities, the use of information technology is generally enhanced, which greatly improves the convenience of university libraries services, to ensure the reader's fast and efficient reading. This paper analyzes the problems existing in the management of traditional libraries in colleges and universities, expounds the author's understanding of intelligent libraries, and puts forward some concrete strategies to improve the intelligent management level of university libraries.

1. Introduction

The normal activities carried out by university libraries are that provide high quality, timeliness and wide content reading materials for teachers and students in schools. Under the influence of modern intelligent technology, the traditional library management mode can not meet the urgent needs of teachers and students for convenience, rapidity and dynamics. In the library, the work of book collation is hard, the borrowing procedures are cumbersome, the collection resources are limited, and the staggered and destroyed phenomena are serious, which makes it difficult for library managers to deal with such a large number of tasks. The intelligent library has changed the traditional way of library management, book retrieval and borrowing, and has made a new breakthrough in the form of book resources. It gives the reader a strong autonomy that enables readers to reserve books online and customize various services of the libraries according to their own needs. As long as they can retrieve the information resources they need through the network platform, they can operate at any time and place without limiting the number of visitors to the network platform. Just need to have intelligent mobile phone or tablet, computer and other digital tools can be, the full liberation of the reader. Therefore, the university libraries should actively introduce the advanced intelligent management service system in the management work, in order to better serve the public, and at the same time improve the digital level of the libraries.

2. Problems Existing in the Management of Traditional Libraries in Colleges and Universities

2.1 The Backward and Imperfect Management Facilities

Under the traditional management mode, the libraries are mainly composed of printed materials with high input cost. Besides, problems such as wear and tear, material contamination and so on are easily caused in the process of browsing, resulting in a great waste of resources. Because of the limited space in the libraries, it can not accommodate a large number of book resources and readers, which is not conducive to the improvement of service quality. In addition, all the borrowing information registration, book resource storage, file maintenance and other work of university libraries need a lot of storage space, which increases the capital investment of it. And the corresponding setting of reading places and environment also requires the universities to invest a lot of money in infrastructure construction. Moreover, information exchange and basic transaction processing between librarians and users can only be realized through phone calls or face-to-face visits to the library, which consumes a lot of time and manpower.

2.2 The Unqualified Computer Ability of Librarians

The establishment of intelligent university library needs the library management personnel to be able to use the advanced computer equipment and skillfully operate the digital library management system. However, college librarians are mainly of middle and high age groups, with relatively simple knowledge structure, low educational level and limited enthusiasm for learning information technology. Affected by the characteristics of public institutions, they have ordinary salary level, are satisfied with the status quo, and do not have a high spirit of innovation and service awareness. Therefore, they are not keen on the establishment of intelligent university libraries, and it is difficult to train them. Moreover, they are free and slack, and don't have pressure because of the absence of strict management system constraints.

2.3 The less attention to the Modernization of Libraries

University library is a basic institution. Although its status cannot be ignored in the construction and development of universities, most leaders do not pay enough attention to the modernization of this department that in the introduction of professional technical personnel, site construction and the investment intelligent management software research and development is not enough. With the advent of e-reading era, network technology can broaden the scope of library services, improve service quality and meet the diverse needs of students and teachers, so it should be vigorously promoted. The informationization construction of University Library in our country started late, and the university was limited by human, financial and material resources to cannot start the construction work of intelligent library or only in the initial stage, and there were some problems such as insufficient development motivation, insufficient follow-up support and imperfect system, so it was difficult to implement intelligently.

3. The Basic Concept and Establishment Principle of Intelligent Library

Intelligent Library combines modern electronic computer technology with library management, which highlights the characteristics of convenient, efficient, fast, intelligent and individuality of library management system. It uses intelligent software to set up the network public platform and client of university library, which connects service function, learning function, experience function and software development function with mobile technology, communication technology, perceptual

technology to establish a unified and standard university library management system, and develops a cloud computing platform, large database and wireless network environment.

The basic principles for the establishment of digital service platform built by intelligent library are as follows: ① to ensure the safety and reliability of library information resources, to ensure the effectiveness and convenience of information and data transmission; ② based on the establishment of norms in the National University Library, to achieve the construction decoration and the infrastructure construction, system maintenance and maintenance and other work of strict implementation; ③ ensure that the resources in the library are open to the outside, and provide convenient conditions for the smooth docking of public network platform and external clients, and ensure the realization of all-weather and cross-regional resource sharing; ④ establish a unified Digital University Library management system to ensure the unity and standardization in its use, maintenance, and looking up, related to each specific link; ⑤ should adhere to the “human-oriented” principle, to provide readers with personalized service, so that the intelligent operation of the software is simple and convenient, easy to learn how to use, and the establishment of intelligent service system; ⑥ perfect the infrastructure construction of Intelligent University Library, such as all-purpose card , self-service system, intelligent display and experience space, wisdom seminar room, comfortable learning environment and so on.

4. Specific Strategies for Improving the Intelligent Management Level of University Libraries

4.1 Innovating the Idea about Intelligent Management of University Libraries

The managers of university libraries should deepen the concept of informationization construction, form the thinking of “Internet +”, reform the management strategy of libraries under the guidance of the era of big data, and make full use of information technology means such as cloud storage and cloud computing to perfect the service system. The staff of the library should improve their understanding of the informationization construction of library management, improve their service consciousness and the degree of open-mindedness, establish the service concept of “human-oriented”, pay attention to the improvement of service quality and efficiency, innovate the concept of management, actively draw lessons from foreign advanced digital book about management experience, and carry out the reform in combination with the actual , Which is prepared for the improvement of the intelligent management level of university library.

4.2 Actively Optimizing the Management Mode of the Libraries

The management personnel of university libraries should change the closed book management mode in the past. Through the establishment of a networked resource sharing platform to provide users with books and periodicals retrieval, lending services, the establishment of a reader resource base and knowledge sharing platform to facilitate teachers and students to obtain the required information, so set up a clear and convenient book retrieval platform, readers visit the information collection platform, reader feedback platform. With the reader's preferences, it can provide personalized service, and push the corresponding reading books. At the same time, the libraries should buy and regularly update the electronic database, for teachers and students to provide a large number of resources, and constantly integrate the existing book resources. With the use of Internet technology to establish regional book resources sharing, it can facilitate the exchange of different libraries of the collection resources, and avoid the waste of resources.

4.3 Adjusting the Management System and Structural model of the Library

The management personnel of university library should start from the aspects of school running idea, enrollment situation, teaching staff and project experience, construct multi-level, all-round and rationalized management system, improve the informationization level of library management, and pay attention to the development in various functions of library. In the structure setting, the university library can add the network Information Department to be responsible for the system information entry, collation, transmission and update, set up the network Technology Department to be responsible for the system software development, the system application maintenance, but also can set up the network Department of Security to ensure the library information and resources safety. At the same time, it is necessary to formulate the corresponding institutional measures to ensure that the management mechanism has clear responsibilities, clarity of structure and smooth operation.

4.4 Strengthening the Information Technology Training of Managers in University Libraries

In order to realize the intelligent management of university libraries, it is necessary for practitioners to have high professional quality and information technology level. Therefore, colleges and universities should actively organize training to improve the understanding of intelligent, digital and informationization of library managers, and enhance their networked practical experience and ability. At the same time, colleges and universities should introduce excellent library information management personnel, in order to provide talent guarantee in optimizing the network resources database and protecting the system in the school.

4.5 Ensuring the Information Security of University Library Management System

For example, maintain the security of Access Control System (ACS) in the library to prevent important materials and precious collection resources from being taken away. We should have the establishment of an intelligent information management platform, use the electronic books label settings classification and storage, and the use of RFID technology automatic identification of literature information, batch processing of books to borrow and return information, automatic sorting, classification and shelving of books, reduce errors, omissions and data loss in book management. In addition, the maintenance of electronic book information should establish corresponding system guarantee, pay attention to make up the information loophole in library management, prevent the loss of book resources, and promote the civilized and orderly reading and borrowing activities of teachers and students.

5. Conclusion

Nowadays, it is the common voice of teachers and students for library management to be informationized. Intelligent library not only informationizes book resources, improves the optimal allocation and utilization rate of resources, but also facilitates the data reading and borrowing activities of teachers and students, promotes the modernization transformation of university management, and saves manpower and material resources. Therefore, university libraries should improve their own service consciousness, pay attention to the reading experience of teachers and students, and develop personalized reading activities. At the same time, it is necessary to improve the quantity and quality of paper books and electronic resources in the library, improve the convenience, unity and standardization of the network resource system, constantly integrate the book resources, and improve the resource database. On the basis of guaranteeing the security of

digital book resources, it promotes the informationization degree of library management in universities, and builds a good reading environment, so as to create good cultural resources for the education and scientific research of schools.

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