

Application of Information Technology in University Library Management

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Abstract: The 21st century is gradually entering a new information society. As a knowledge-based social organization, universities have made rapid development in the field of education through the application of information technology. From the perspective of information construction of university library management, great achievements have been made, and the development of library management information has been promoted. Information technology has changed people's production and life style. With the continuous development of information technology, the impact of information technology on social life will only increase. The informationization of university library management is the "general trend" of the development of university library, and it is of great practical significance to actively carry out the informationization construction of university library management. Starting from the present situation of modern university library management, this paper analyzes the problems existing in library management, the necessity of informationization and the standardization requirements of library management.

1. Introduction

With the development of network, computer technology has penetrated into many fields of social development. The rapid development of information technology has greatly changed people's lifestyles, and information technology has penetrated into all aspects of people's lives [1]. A university library is a place where information resources are collected. Modern information technology based on computer technology began to be applied to library management, which promoted the transformation of library management to informatization. University library management faces unprecedented opportunities and challenges [2]. However, as far as the current situation is concerned, the informationization of library management has not been fully popularized, and many university libraries have not achieved rapid development due to many factors. Therefore, in the new era, university library staff must fully understand the characteristics and advantages of the information age, seize the opportunity, and use modern information technology to carry out library management reform, so as to further promote the rapid realization of administrative tasks of library informationization [3]. Library informatization refers to the organization, development and management of various information resources of the library in accordance with the requirements of the information society, in order to use modern information technology to provide high-quality information services for library users. Specifically, it is the digitization of information storage, the networking of transmission means, the intelligence of management and control, and the informatization of personnel quality [4]. Universities shoulder the arduous mission of cultivating high-quality human resources for the society, and all walks of life related to university management must adapt to the development of the times and promote their healthy development [5]. There are many books in universities, and the amount of books in the new period will continue to increase. It needs a lot of manpower, material resources and management, and its quality may not be satisfactory. Information management of university library is an inevitable trend of the development of university library management, and universities should pay attention to it [6].

2. Problems of Information University Library and Management Work

2.1. Information University Library

University library management work under the information environment puts forward higher

requirements for library management workers. With the development of modern science and technology and the advent of the information age, traditional library management work can no longer adapt to changing environmental requirements. How the comprehensive quality of library staff directly determines the overall quality of University library management work, and also affects the service level of library management work. With the development of storage technology and the application of multimedia technology, not only the traditional book paper will be replaced by electronic information to a great extent, but also the video, sound recording and CD storage used in today's society will be replaced by the central database. Therefore, library documents will gradually turn to the document information system of audio-visual, electronic, optical disc and multimedia, and digital library will also become a new development direction [7]. In the process of database and literature information construction, Library management information construction has been carried out, and online information resource sharing system and Library management system have been built and implemented in Library management work. Its main functions include public retrieval, interlibrary loan, literature transmission, electronic resource navigation and so on. These book information management methods provide convenience for the research and learning of teachers and students, meet the requirements of university teachers and students for knowledge and information acquisition, enrich the knowledge and information reserves of the University education and scientific research team, and accelerate the information of University library management. Process.

2.2. Problems in the work of University Library Management

Education is an important cornerstone of a strong nation. In recent years, with the progress of society, people's spiritual civilization is gradually improving. Many universities are constantly expanding their enrollment, which shows that the school's teachers are growing, the students' awareness of autonomous learning is also increasing, and the corresponding library management work will increase. Therefore, library management personnel should take more efficient management measures to classify the number and types of books more carefully to meet the needs of school teachers and students for books.

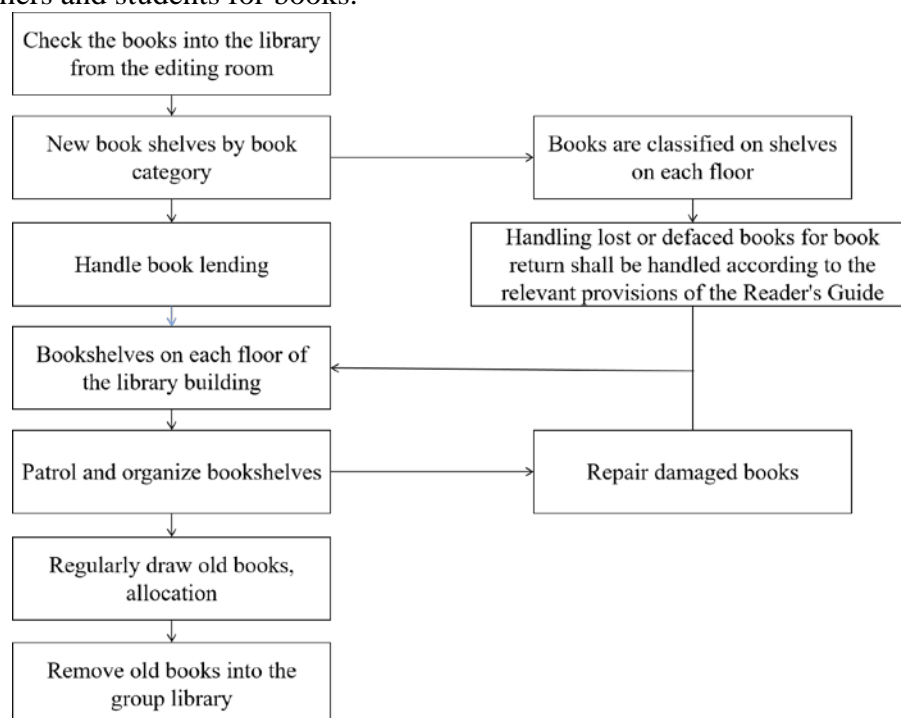


Figure 1 Book management workflow

From the overall point of view, the management quality of Library management staff in University is generally not high, and the proportion of highly educated managers is very small, only about 30% of them have college degree or above, and even fewer have bachelor degree or master

degree or above. The low education level will affect the information construction thought of Library management personnel, and also affect their application of information technology, thus hindering the information construction of Library management. In the development of Library management information construction work, due to the lack of professional quality and technical talents, and the improper use of information talents by University libraries, it is impossible to effectively play the role of Library management informationization. Second, although some university libraries have professional information technology talents, the lack of a good environment and salary incentive system for cultivating and retaining talents has caused the loss of some professional talents, resulting in unstable library work teams and a shortage of talents. situation.

3. Requirements of information technology in University Library Management

With the rapid development of modern information technology, great changes have taken place in the information environment of the library. With the increasing enrichment of online resources and the development of online reference work and online education, readers' demand for information also makes the user education of the library show its importance in the trend of the times. Library management personnel are directly related to the management quality and level of the library and can not be ignored. In the information age, the requirements for people's information technology are gradually increasing. Therefore, on the one hand, managers should have good professional ethics, establish affinity and rigorous work style. Secondly, we should have the ability of digital information processing and pay attention to the improvement of our professional quality. Under the network environment, librarians are communicators and managers of information resources, consultants who provide information resources, and navigators of information retrieval and utilization. Therefore, librarians should pay attention to the all-round development of their comprehensive quality. Management and statistics of borrower information, book information and general borrowing information, and maintenance and viewing of information of managers and staff. Query, delete, modify statistics, browse, add, and basic information of book borrowers, but cannot add, modify, or delete borrowing information. This part of the function must be performed by library staff. However, deleting a certain book borrower's basic information When the information is recorded, the cascading deletion of the borrowing record of the book borrower shall be realized. Library managers can query, delete, modify, browse, add, and count the basic information of books. It should also be able to generate book recall reports and be able to print out. The system data flow diagram is shown in Figure 2 and 3.

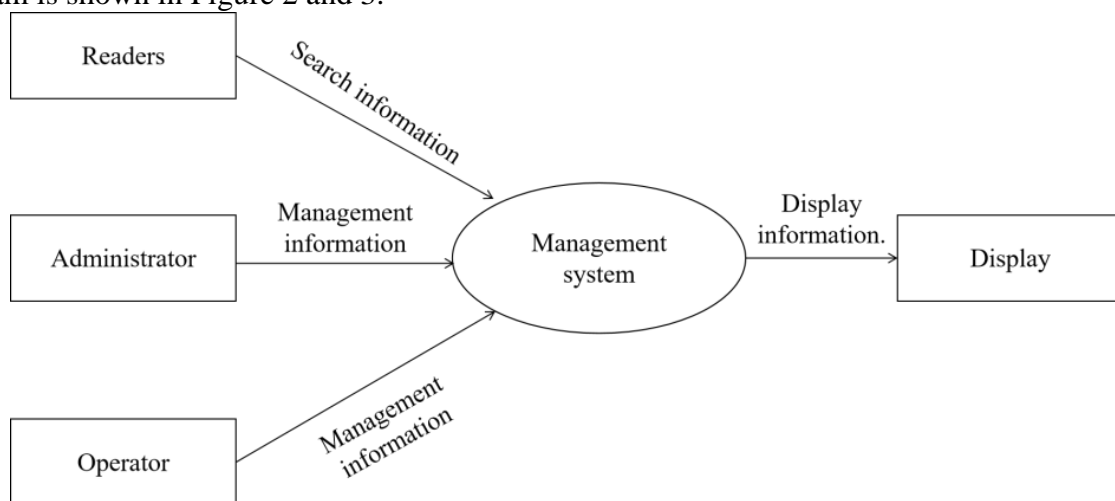


Figure 2 Data flow diagram 0 layer

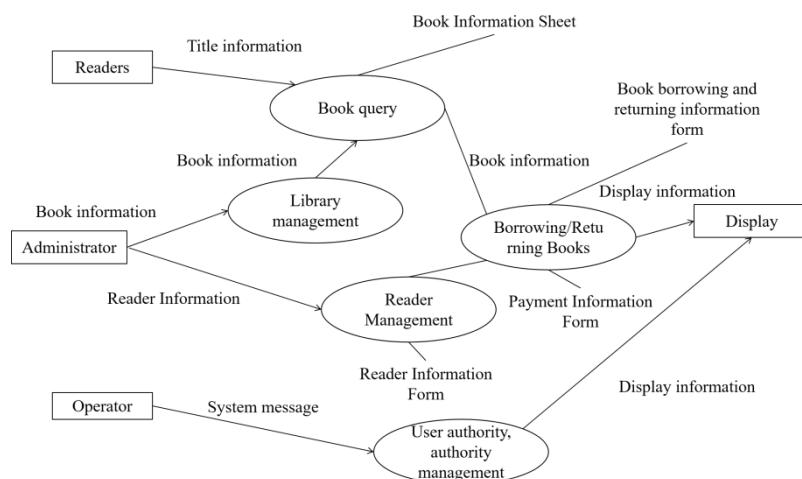


Figure 3 Data flow Figure 1 layer

The university library itself serves the scientific research, learning and other services of the majority of teachers, students and readers. In the information environment, the library management work should not only meet the basic book borrowing and consulting, but also provide readers with necessary service functions such as information resource retrieval, download and sharing, so as to realize the comprehensive management of the university library. It is very important to improve the information service ability of university library. In the process of Library management work, relevant staff should increase communication with readers, understand readers' information needs, and then rationalize the layout of library information resources to meet readers' borrowing needs to the maximum extent. You can also use the network platform to open the service mode, so that readers can conveniently consult and utilize book resources by using network means, thus improving the utilization efficiency of books and improving the quality of Library management work.

Innovate and improve the procedures of Library management and the employment system of managers in a timely manner to ensure that the relevant systems are in line with the current management situation and can provide a reference for the development of Library management informatization. Therefore, it is necessary to increase investment in science and technology, adopt advanced computer hardware and software and related equipment technology, and learn from external forces to build a modern library management information system to achieve the purpose of sharing information resources and network resources. In addition, a special information technology center should be established to be responsible for the construction and maintenance of the library's information system, strengthen the security management of information resources, prevent illegal operations on information resources and attacks by hackers and network viruses, and improve the security of the network environment. In this way, the system information of each department and the library management system of each institute and Research Institute can be integrated together, give full play to the advantages of each department, realize resource sharing, and then improve the informatization level of library management.

4. Conclusions

The arrival of the information age has brought difficulties to the management of university libraries. University libraries should constantly improve the comprehensive quality and information literacy of library administrators, strengthen the necessary infrastructure construction, improve the library's information service ability, and improve the quality and efficiency of university library management under the information environment. At present, university libraries generally attach importance to the information management of libraries and carry out corresponding construction work. However, there are some problems in the construction of library management informatization, which make it difficult to effectively improve the quality level of library management informatization. Stakeholders should make in-depth research on creating a good information

atmosphere of library management, improving the quality of library administrators, strengthening infrastructure construction, perfecting information management system, using methods and optimizing library management construction. Improve the management quality of university library in an all-round way. In short, information technology has a profound influence on library management, service and staff. With the development of digital technology and network technology, the library will become a highly developed information distribution center, and the library will inevitably become a "digital library". "Development direction. In the digital information age, only by keeping up with the changes of the times and making full use of computer information technology can we manage the library better. Managers may need to have a deeper understanding of management. Their better information resources are helpful to the mobilization of the library and improve the management efficiency of the library.

References

- [1] Liu Yanqing. Talking about the current situation and measures of library management informationization in colleges and universities[J]. Cai Zhi, 2018(11):45-46.
- [2] Zuo Ping. Analysis on the Information Construction of University Library Management[J]. Exploratory Science, 2019, 000(006):221-222.
- [3] Dong Shulan. Improvement and Optimization of University Library Cataloging Work under the Background of Informationization[J]. China High-tech Zone, 2019, 000(018):210-211.
- [4] Wang Xiaoxie. Research on University Library Management Model Innovation in the Information Age[J]. China Management Information Technology, 2020, v.23; No.422(08):196-197.
- [5] Huang Hualan. The Status Quo and Development Trend of University Library Information Management [J]. Contemporary Educational Practice and Teaching Research, 2019(02):16-17.
- [6] Naren Qiqige. Talking about the improvement of the information management level of University library [J]. Shan Hai Jing: Story, 2017, 000(004): 67-68.
- [7] Su Jie. Research on the Innovation Strategy of Modern University Library Management under the Network Environment [J]. China Management Information Technology, 2017, 12(No.81): 150-151.