Research on Library Information Management under Computer

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Abstract. With the development of science and technology, computer technology is becoming more and more advanced. Nowadays, computers have been widely used in people's lives, gradually changing people's way of life. The application of computer technology has brought great convenience to people's life. The combination of computer and library information management makes library management more convenient and fast. At the same time, the use of computer software also saves a lot of manpower and material resources, and the book management work becomes very simple.

Keywords: Computer Technology, Library Information Work, Network Technology, Work Efficiency

1. Key technologies of information technology in library intelligence
In the current process of development, library management has ushered in new opportunities and challenges. We all know that computer technology has been widely used in all aspects of people's lives and is changing people's way of life. In the environment of network, library management is also actively combined with computer technology.

1.1. In the current networked environment, the combination of library and computer mainly includes the following technologies:
First of all, in the intelligence work of the library, we need to collect a large amount of data. This data is very complex and lengthy. The collection process takes a lot of manpower and material resources. Therefore, we can consider using advanced computer technology to collect information.

1.2. Computer technology issues
Information technology plays an important role in computer technology, computer technology is developing rapidly, and the speed of upgrading is also very rapid. When the computer develops to the fifth generation, the technology has been very advanced. The technology integration system is very large, which realizes artificial intelligence, can input images quickly, can help many users who are not familiar with computing technology to quickly familiarize themselves with the system and use it. It
can improve the efficiency of knowledge retrieval and promote the smooth development of library work.

1.3. Database technique
Database technology can effectively realize data collection and employment. Database is the core technology in computer technology, which is very convenient for data collection and employment. At present, database technology has realized data management, object management and knowledge management. In library information work, the host can share local data in the retrieval system after high performance retrieval.

1.4. Network communication technology
Network communication technology mainly includes two technical levels: communication and network. In particular, data communication media, computer protocols, modulation and demodulation technology, LAN, Ethernet and so on, today's information processing technology is still in the process of continuous development, technology is also constantly improving, the application of this technology to library and information services is also very important.

2. The necessity of introducing information technology information work
At present, computer network technology has been applied in various industries, which has played a role in promoting the development of various industries. The application of computer technology in library information work will promote the development of library information work. The network has abundant information resources, and its information quantity has far exceeded the growth rate of entity literature information resources. In this case, the information work of the library is faced with more and more online resource optimization and data management, which also increases the difficulty of library data screening. Thus, network coverage provides convenience for people, but also brings great challenges to library intelligence work.

In the past, people went to the library to borrow books, only through the relevant intelligence departments, now computer technology is used in the information management work, we can get the information they want through the Internet, very convenient and fast.

This change greatly affects the working state of library information management and meets the information needs of more people. During this period, the special needs of minority groups still exist, because they can not adapt to the new type of library information services, so the service model is more exclusive. This has hindered the innovation of library information work to a certain extent. The library information management work can not be separated from the library information management and archives management students, there are many colleges and universities in our country have this major, the specific ranking is shown in Table 1 below:

**Table 1. Ranking of library and information management institutions.**

| Library Archives Schools | Information and Management | School name | Assessment result |
|--------------------------|----------------------------|------------|------------------|
| 1                        | Nanjin university          | A          |
| 2                        | WuHan University           | A          |
| 3                        | Renmin University of China | B          |
| 4                        | Peking University          | B          |
| 5                        | Nankai University          | B          |

3. Influence of information technology application on library information work
Nowadays, in the stage of continuous development of information technology, libraries are also facing reform. The combination of library and advanced technology will inevitably promote the development of book management. As an important part of library work, the introduction of information technology
is bound to bring a very positive impact on it.

3.1. Improving the efficiency of data management in libraries
In the information management of the library, managers collect and organize a lot of library information every day, and analyze these data. These steps are very troublesome to operate artificially. Artificial collection is quite time-consuming and laborious, so the staff will make mistakes accidentally. After the introduction of information technology in the library for data management, this situation has been effectively improved. The new library data management system can not only quickly identify and organize data, but also accurately integrate and classify all kinds of book resources. At the same time, the new system can automatically clean up invalid information and greatly improve the overall efficiency of library data management.

3.2. Improved efficiency of staff management
The application of computer technology has greatly improved the efficiency of information management, and the management of libraries, scientific and technological, data collection and collation are automatically completed by computer, now the library information data is very rich. Intelligence personnel in daily management, not only in a large number of book data to find effective data, but also to deal with garbage information, data collection and classification, after the application of information technology, can significantly reduce the workload of staff in data analysis, to a certain extent. Reduce the mental stress of employees in intelligence work [1].

3.3. Enriching the library's digital library resources
With the development of information technology, the book management work in our country also keeps pace with the times and actively adds intelligent management system. The combination of computer technology and book green spot management has greatly improved the efficiency of the library. In the digital library management system, we can realize the online sharing of books and the transformation of digital information of library resources. On the one hand, the system provides convenient conditions for borrowers in the process of application, on the other hand, there are some drawbacks. There are often some phenomena such as garbage data or data damage in digital network book system, but information technology can be used to filter and repair it [2].

4. The strategy of information technology supporting library's information work in the context of network

4.1. Establishment of a resource database with unique library attributes
Although the combination of book management and computer has brought great benefits to book management, book management is still in the process of continuous development. We can perfect library and information management by establishing a unique resource database [3]. Database should have powerful information storage function and efficient data transformation processing. In the process of using the system, the first step is to file and pay attention to the book publishing website in time. The staff should grasp the relevant trends of the website in time, so as to adjust the book management work in time. In the management of library database, it is necessary to ensure the integrity of its information resources, and the premise to achieve this goal is to fully improve all the library resources.

After introducing modern library information technology, the information resource center of the library should carry out the transformation of the way of resource construction, improve the effective utilization rate of data resources in the library, and create unlimited reading value for readers under the condition of limited collection [4].

4.2. Improved capacity for resource analysis and optimization
In the library management system, the ability of information analysis and collection is very important.
Many libraries are moving towards this goal. In their normal work, staff can add special data tracking websites to the library's data management system. Such websites can monitor data in real time and update data in time.

Nowadays, with the development of social economy and the progress of science and technology, people are more urgent for spiritual needs. The construction of spiritual culture is very important. In order to stand out among many competitors, libraries should scientifically establish data analysis models through the application of information technology. Electronic libraries also gradually enter people's lives [5].

4.3. To further provide quality services to readers
Library is a place for workers to read, people's feelings are also very important, so in the library work, service occupies a very important position, we must first improve the relevant service mechanism. In the work, the existing information technology resources are used to maintain the hardware and software facilities in the library. Normal use. In view of the perfection of the mechanism of the intelligence department [6], it should be carried out from its service quality. The staff should meet the needs of the readers to the greatest extent in combination with the work requirements of the organization, so as to provide the readers with a good borrowing experience. Library information management is widely used and is on the rise every year, as shown in Figure 1. Year in abscissa, percentage in application in ordinate.

![Figure 1. Number of applications for library and information management.](image)

5. Conclusion
Through the elaboration of this article, we have a deeper understanding of the library and information work under the computer, and the application of computer technology has brought great convenience to the library management work. We still need to improve and develop the management of the library [7].

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