

Innovation of University Library's Teaching and Scientific Research Information Service under the Network Environment

Linxia Liu

Xinxiang Medical College Library, Xinxiang 453000, China.

Abstract: With the continuous development of social information technology, the network has also begun to play a more important role in teaching and scientific research in colleges and universities. As an important subject assisting teaching and scientific research in colleges and universities, university libraries should also fully realize the importance of the network to the improvement of their own information technology services, and require them to carry out appropriate innovation and development based on the network in terms of service methods, service contents and means. Thus, it can provide enough help for the current teaching and scientific research in colleges and universities. This paper will analyze the current situation of university library under the network environment, and put forward relevant strategies from three aspects: service content, service mode and service means, in order to improve the service level of university library.

Keywords: Network Environment; University Library; Teaching and Scientific Research; Service

1. Introduction

Modern society is an era of rapid development and large-scale popularization of network information technology. Under this information background, university library, as an important pillar to support the smooth progress of teaching and scientific research in colleges and universities, should actively participate in this information-based social wave to provide more powerful help for the development of colleges and universities in our country. University library itself undertakes the important work of internal teaching and scientific research knowledge collection, sorting and processing. Everything is to provide more convenient and excellent services for students and teachers. In today's network environment, university libraries should explore their own ideas, innovate boldly, and use the network to provide readers with more thoughtful and multi-level information services. Therefore, they should also put forward higher requirements for their own management and innovation.

2. New characteristics of teaching and scientific research in colleges and universities under the network environment

Before relying on the network for its own innovation, the library should first recognize the new situation brought by the network environment, and analyze these new situations to carry out its own service innovation. Influenced by the popularity of the Internet, the new characteristics of the needs of teaching and scientific research institutions in colleges and universities mainly include the following aspects:

2.1 Rich information carriers and diverse information media

Before the popularization of the network, the main way of information transmission was through paper books. However, with the continuous development of network information technology, more and more paper information has been incorporated into the network, resulting in new information communication media such as e-books, online database and so on. Compared with traditional paper books, these network media have the characteristics of fast communication speed and richer

content forms. Traditional paper books are no longer the only choice for teaching and scientific research in colleges and universities.

2.2 With the rapid development of technology, the demand of users is increasing

In recent years, science and technology are developing rapidly all over the world. Correspondingly, there is a great wealth of data and papers, and a variety of rich research materials emerge in endlessly. As the main body of scientific research, college teachers naturally need to understand the development of relevant technologies through these materials. However, the traditional books are limited by the communication speed and content, and can not meet the increasingly rich information needs of college teachers. At this time, it is necessary to use network technology to better meet the needs of college Teachers in the new era.

3. The deficiencies exposed by the information service of university library under the current network environment

3.1 Insufficient personnel level and lack of network skills

At present, the professional requirements and training of many university library managers are still the same as those ten years ago. Facing the new requirements for network technology, they are very poor. The relevant computer level, information retrieval and sorting, information processing and other skills can not meet the requirements of university teachers and students. Thus, teachers and students are dissatisfied with the service of the library itself, unable to trust the information obtained from it, which greatly hinders the process of normal teaching and research.

3.2 Insufficient service level and lack of service awareness

In the traditional concept of library management in China, the library has always been in a role of information collection and sorting. For the specific needs of users, it is the users' own business, which has nothing to do with the library. This old sense of service completely weakens the service function of the library, which leads to the fact that college teachers can not be served by the library when querying the content of scientific research work, and need to collect and sort it out by themselves. This is undoubtedly another pressure for the already busy scientific research work.

3.3 The hardware facilities are backward and the degree of automation is not high

With the popularity of the network, there are also requirements for relevant hardware facilities, because only with sufficient advanced hardware facilities can we fundamentally realize the network information reform of the library and provide more comprehensive and convenient services for college students and teachers. However, in most of today's colleges and universities, the actual situation is that due to the restrictions of the school's capital policy, the library is unable to obtain enough funds to update and iterate its own equipment, so it is naturally unable to complete the transformation to networking. Only by truly starting from the level of hardware facilities and realizing the digitization and automation innovation of the library system, can we really establish a perfect library network service system.

4. Effective strategies for university library to carry out information innovation service under the network environment

4.1 Enriching information content by relying on network means

A qualified library should be comprehensive in the scope of information. Only with sufficient collection content can it meet the various teaching and scientific research needs of colleges and universities, and the innovation of network technology provides solid technical support to meet this demand. University libraries should use the network to collect all kinds of professional documents and materials in a planned and purposeful way, and try their best to sort out and collect the professional materials for the key disciplines in colleges and universities, especially for the latest research results of the discipline all over the world, so as to ensure the timeliness and practicability of the internal materials in the library, serve the daily teaching and research work. In addition, with the deepening influence of various disciplines in modern society, the relevant knowledge of some marginal disciplines also plays an important role in daily teaching and research. The library should also pay attention to this part of the content in time, and use network technology to collect and sort out this part of the content.

4.2 Digitizing collection resources and innovating service methods

The great difference between the library under the network environment and the traditional library is that the form of data collection is no longer limited to paper books, but can better and faster achieve the acquisition and sorting of information through digital form. Therefore, university libraries should firmly grasp this point to digitize their own collection resources, and promote and serve university teachers by means of digital network. In order to better achieve this goal, in addition to the digital processing of fixed resources, we should also establish a set of perfect information exchange and retrieval system to provide better information services to all personnel in colleges and universities. The library can establish an information collection and retrieval platform by combining with multiple colleges and departments, implement the integrated management of resources in the school, and achieve the connection and sharing of resources among various colleges and departments. At the same time, in order to better realize the timeliness of resource management, the local university library can also set up a networked information collection platform. The relevant researchers and students of each university can publish the information they have collected and sorted to the corresponding area of the platform, update and sort out the library's network resource database in time, and realize the transformation from static resource management to dynamic management, in order to ensure that teachers in colleges and universities can keep abreast of the latest progress of their major.

4.3 Optimizing service mode and innovating management means

Although under the blessing of the network form, readers' collection of library resources has reached a very comprehensive level, in the actual situation, there will still be some students who have doubts about some relatively unpopular and small knowledge points. At the same time, they are unable to conduct targeted search through self retrieval, which often wastes a lot of time to collect. To solve this problem, the library can carry out online question and answer function to meet the needs of this part of readers. The specific operation is that the library can launch a question and answer area on its own web page. If someone has big questions about some knowledge points in learning and research, they can ask questions on this page. If the person who sees the question has a full understanding of the question, they can answer it directly online to meet the needs of the student or teacher. At the same time, we can also set up a certain reward mechanism for this, and reward those who often answer questions with points. These points can obtain material rewards or honors issued by the library offline. In addition to using the internal strength of readers for information services, the library itself can also carry out agency business. Teachers and students can send inquiry needs to the library through e-mail, and the service personnel of the library can feed back the collected information to readers through the internal retrieval system, which is very convenient for readers.

5. Conclusion

Today's era is an information age. Conforming to the development trend of the network age and innovating and developing itself are important means for libraries in colleges and universities to strengthen their own professional level and

promote the overall development and progress of colleges and universities. Therefore, it is necessary for the library to carry out sufficient reform and innovation, and use network information technology to carry out more efficient information collection and sorting, which is the only way for the better development of the library in the future.

References

- [1] Xu Y. Research on the innovation of university library's teaching and scientific research information service under the network environment. *Heilongjiang Science and Technology Information* 2017; (32): 247.
- [2] Liu Y. Research on embedded discipline service of university library. Wuhan University 2010.
- [3] Li Y. Research on the service function of university library under the network environment. *Educational Theory and Practice* 2016; 36(3): 31-32.