Research on the Construction and Practice of Intelligent Library Service Model in Higher Education

Xiang Tian

Shandong Vocational College of Industry,Zibo256414,Shandong,China

Abstract: With the continuous development of China's economy and society, information technology and Internet technology have played an important role and influence in the development and operation of various industries. The construction of higher vocational libraries can also apply advanced information technology to library construction and management, which can not only strengthen the functionality and service of higher vocational libraries, but also accelerate the pace of urban wisdom construction. To provide higher vocational students with a better learning environment. In this paper, we will analyze the service mode of higher vocational intelligent library and propose improvement measures for practical construction for reference.
Keywords: Wisdom Library;Service Model Construction;Practice Research

1. Introduction

It can not only play the role of traditional libraries in preserving and searching books, but also achieve the effect of scientific management and scientific service through advanced technology and equipment. The higher vocational wisdom library is an inevitable measure for the construction of all higher vocational colleges in the future, so the relevant personnel should strengthen the research on the service mode and management mode of the higher vocational wisdom library to ensure that the service quality and efficiency of the higher vocational wisdom library can be effectively improved.

2. Service concept of higher education intelligent library

Wisdom Library is a new type of facility created by combining libraries in the traditional sense and modern information technology, and has made great contributions to activities such as promoting reading activities for all and improving cultural construction since its construction. With the development of the times, the traditional library can no longer meet the needs of people for reading and learning in the new era, so the use of advanced technology to transform the library is imperative[1].Smart libraries use information technology for management and service work, and apply new Internet technologies on the basis of traditional libraries to solve the limitations of traditional libraries in time and space and provide better services to users. Smart libraries simultaneously preserve the public and social aspects of traditional libraries, provide equal services to all customers, and apply information technology and network technology to the library system, Customers can use all the contents contained in the smart library only through hardware devices such as cell phones and computers, and the smart library also strengthens its own content preservation and transmission capabilities through a network database, providing better convenience for modern people to use. Compared with traditional libraries, smart libraries have a stronger user feedback system, which can correspond to the different needs of each user for processing and services. Traditional libraries provide services for users only by providing reading environment and reading resources, while smart libraries can solve users' needs through automated devices, and users can inform the automated devices of their needs, and then artificial intelligence devices can solve and reply, so as to realize the dynamic processing effect of smart libraries on users' needs. At present, some of China's higher education institutions have taken the construction of intelligent libraries as one of the key projects of school construction, and in the actual construction designers need to combine the actual situation and actual needs of the construction schools to design and provide a good learning environment and platform for students

3. Construction measures of intelligent library service model for higher education

3.1 Establishing a new service model for smart libraries

Intelligent libraries in higher education play a service effect by providing users with reading environment and reading resources. With the development of technology, there are already intelligent libraries that have started to use artificial intelligence devices to carry out services and achieve certain results, and intelligent libraries can divide their own service mode into two parts to carry out: The first part is to improve the quantity of resources in reserve, enhance the quality of environmental management and provide knowledge services to users based on the traditional library. The second part is to let users play the effect of knowledge flow and communication through the smart library, which can use the Internet technology and network platform to build a large smart library management system, and register each user, so that users can look for people with the same major as their own study for knowledge exchange and

communication through the system of the smart library, and this method can effectively promote the user's mastery of knowledge and strengthen the user's reading effect. Users who encounter difficult problems in reading can seek help in the online platform in time to ensure the quality and effectiveness of learning.

3.2 Effective organization of existing resources

The intelligent library of higher education institutions stores all the documents, books and experimental research resources of higher education institutions, so it is a key facility for higher education institutions to carry out teaching and learning, therefore, in order to innovate the service mode of intelligent library of higher education institutions, all the documentary resources in the intelligent library should be integrated effectively first. There are many kinds of subjects in higher education institutions, so it often takes a long time for students to find resources. Designers can classify and organize all the books and resources owned by higher education institutions, and save the resources of the same subjects in a unified way, and make sure that all the existing resources are organized in a fine way when organizing them[2].After finishing the organization the designers also have to optimize the preservation of resources. Traditional libraries are arranged in terms of majors and initial letters. However, due to the increasing number of resources, more and more resources meet the same conditions, and the influence on the actual use and resource search is gradually increasing. The new intelligent library can be saved and managed on a per-article basis, and all resources are saved according to their own characteristics by using computer equipment and network platforms with strong computing power to develop keywords for preservation and management, so that users can immediately find the content and resources they want to search by simply typing in the relevant keywords, providing better protection for users' experience. In the process of preservation, advanced technology and coding technology can be used to develop the unique metadata warehouse of their own colleges and universities, to sort out and compile the corresponding field numbers of various industries and types of resources. Then through the network platform according to the different number field of each resource to save, not only can improve the saving effect, but also provide users with better quality and faster service[3]

3.3 Use through hardware devices

The future development goal of smart libraries is to digitally inform all resources, but it seems to be quite difficult from the current level of technology. Designers can combine the popular mobile software such as wechat and QQ with the smart library and establish the wechat platform of the smart library on wechat. Users can create their own accounts and use them only through wechat. It is also possible to save and download resources directly through the WeChat platform, which provides convenience for users and strengthens the quality of services of the smart library. The main service targets of the higher education smart library are students and teachers in the institution, so the personal information of students and teachers can be connected with the smart library and WeChat software in a unified way to achieve the effect of verifying personal identity through WeChat and provide convenience for users. With the continuous development of network technology and information technology, various industries in China will take network technology as an important technical guarantee for development in the future. Intelligent libraries should combine Internet technology and their own service mode when establishing, and use advanced technology to increase service quality and effect

4. Conclusion

The smart library upgrades the service capacity and storage capacity on the basis of the traditional library, which is in line with the development prospect of the times and can provide better services to users. Higher vocational colleges and universities are an important source for the future transportation of talents in various industries in China, so the higher vocational wisdom library carries the important goal of improving the comprehensive quality of talents. The relevant personnel should strengthen the research and improvement of intelligent libraries to ensure the number of talents for the future development of various industries in China and provide effective protection for the future development and construction of our country.

References:

[1] Sun Yan, Li Wenge Research on the service mode of Intelligent Library Construction and development in Higher Vocational Colleges [J] Smart China, 2021 (05): 80-81

[2] Han Xianzhen Research and Discussion on library service mode of Higher Vocational Colleges in the era of Smart Library [J] Economic outlook around the Bohai Sea, 2020 (12): 2

[3] Sun Yan Construction and implementation of Smart Library Service Model [J] Journal of Taizhou vocational and technical college, 2018, 18 (4): 4