

## Discussion on the Development and Innovation of Digital Library of Heihe College under the Background of “Internet +”

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**Abstract:** With the rapid development of society and the rapid advancement of science and technology, digital libraries have been used in the construction of many college libraries in China. The digital library is the key trend of library reform under the development of science and technology. Only by integrating the digital library with the current university library in the development, can the library use effect be improved, and the traditional library can be changed quickly in big data. Today's development, the use of the status quo is relatively poor. Applying the Internet + background, the digital library can meet the actual needs of students and teachers in terms of innovation. At present, although many college libraries in China are steadily advancing during construction, no matter whether the management method is relatively backward or the innovation consciousness is not strong, the management quality of the library cannot be gradually increased, and it is necessary to use the Internet to add context. The new innovative mode of digital library management improves the application effect and application status of the library.

### 1. Introduction

The digital library is a digital technology that uses the Internet + to store and process information in the library through illustration and text. Through the digital library, students can access the information of different books in the library and the contents of different books anytime and anywhere. Digital library is a distributed resource system developed by current multimedia technology. It can store information and word resources of different geographical locations through digital technology, and realize cross-regional and cross-regional communication, and improve the practical application of libraries. When it is applied, it can also give more information to the library of colleges and universities. Unlike traditional libraries, digital libraries have more information and are more convenient to use [1]. They can meet the actual needs of current teachers and students. They need to analyze the unique characteristics of digital libraries and use the Heihe College Library. For example, find the problems and solutions of Heihe College when it comes to digital library management.

### 2. Create a Complete Library Service System Based on User Needs

For the application of the Heihe University Library, the overall development and living conditions of the library should be taken into consideration when using the innovation. It is necessary to always meet the actual needs of all teachers and students in Heihe College. As the center of library innovation, this is the starting point and foundation of the Heihe College Library in its work. In the context of the Internet +, libraries need to take into account the new challenges brought by the era of big data for the digital management of libraries. The development of digital library innovation is the core strategy of library development. The library of Heihe College has always been They are advocating customer first, customer first service concept. But the most central point to consider when serving is the core issue of resources. Many users want to access resources and related references that are difficult to find on the network through the library. Heihe University

libraries should get as much as possible. More resources to meet the actual needs of teachers and students. When we carry out innovation work with resources as the core, we cannot ignore the service concept. The service concept and resources are equally important. Especially in the context of the Internet +, as the administrator of the digital library of Heihe College, we should always stand in the perspective of teachers and students, strengthen the relationship between resources and teachers and students, and meet the needs of teachers and students. Fragmented time to get more information, pay full attention to the needs of mobile, fragmented, and humanized information, and on this basis, reshape the number to meet the overall service system of the Heihe College Library, as Heihe College The administrator of the digital library should actively connect with the user in daily work, understand the user participation, provide users with diversified and personalized information services as much as possible, and satisfy the users' actual use of the Heihe College Library. Demand, service is very important for the innovation of digital library, it is necessary to make the service as extreme as possible, to maximize the reading habits and reading needs of teachers and students throughout the school, and to improve the satisfaction of users. Especially in the context of the Internet +, Heihe College should pay attention to it and make efforts for the development and research and development of digital platforms, and always provide the most convenient way for teachers and students to obtain information and materials [2].

In the traditional digital library management of Heihe College, there is no relevant management module, just the application of traditional digital library management. At this stage, in order to truly meet the overall needs of teachers and students, the digital library administrator of Heihe College also needs to add more modules to the original modules of the library to improve the database of students in the application library. The application effect of information, for example, can add the following different modules: First, the emergence of high-quality curriculum sharing modules, micro-curriculum and MOOCs gradually become two very important non-traditional teaching modes in the development of higher education institutions. It can improve students' self-learning ability and help students gradually improve their learning experience while studying. As a public resource sharing platform, the library needs to add more quality courses so that students can learn independently. Second, the library intelligent positioning module. Many students want to find a book, but can't find the specific location of the book in a short time, and the application library intelligent positioning module can help students find out the specific location of the book and find the book. Third, the online payment module. The rapid development of big data makes online payment platforms more and more convenient, and you can use WeChat and Alipay to make payments in your daily life. At this stage, using Alipay or some of the materials that need to be purchased in the WeChat payment library can improve the efficiency of library application. Fourth, the user personalized service module. According to the intelligent search effect of each user in the search, recommending the book that meets the user's needs can effectively change the effect of the traditional digital library platform. The digital library administrator of Heihe College can use the digital library of Heihe College. Re-development, and pay attention to the digitalization of books in the collection. The collections of books in many colleges and universities in China have not been digitized, nor have they been digitized for collections. In the context of the Internet +, the teachers and students of the school not only want to borrow digital books, but also hope to query the collection books through the platform. If the collection books cannot be read directly or cannot be downloaded and purchased directly online, as an administrator needs to consider this issue, the Internet technology in the context of the Internet + can be applied to the actual, so that the Internet + technology can be integrated with the collection, really Realize the digitization of resources, enable resources to be effectively shared, and maximize the effect of resource sharing.

### **3. Build an O2o Service Model through Online and Offline Integration**

In the context of Internet Plus, colleges and universities digital libraries need to rely on Internet technology when they want to achieve faster and better development. Internet technology is a new technology brought about by the rapidly developing society. It can make the application effect of digital library meet the actual needs of college students and teachers, and at the same time use the

Internet + technology to continuously improve the management of digital libraries. The effect and quality of management enable more students and teachers to obtain the book information they want through the digital library, improve their overall efficiency in their daily work and study, and truly satisfy the resources used by students and teachers for resources. The overall requirements. However, at this stage, the combination of online services and offline services can improve the overall quality and overall effectiveness of digital library application management. On this basis, many digital libraries in colleges and universities have built the O2O service model. The O2O service model uses Internet technology to integrate the online services of digital libraries with offline services. The online services involved mainly borrow the unique digital virtual and digital transmission functions of the Internet, so that digital resources can be transmitted to the users without the constraints of time and space, and the offline physical services and services. The effective integration of online virtual services can truly realize the interaction, mutual enjoyment and open Internet thinking, and meet the overall development of the current Chinese society. Let more teachers and students realize the acquisition of resources through Internet plus technology, and effectively change the link of the relatively low service efficiency in the traditional digital library service chain. This is the most important point in the current development. From an essential point of view, how to ensure the overall development of the Internet and serve the overall model of the Internet is very important for the deepening and expansion of traditional services. According to our current survey on the development of digital libraries, many colleges and universities have begun to apply O2O services, and the Heihe College Library is also the same.

When applying the O2O service, the service is mainly carried out in the following aspects: First, the webinar. Many colleges and universities have already launched online lectures, which allow students to learn relevant content anytime and anywhere, and to improve their comprehensive development through lectures. Second, online certification. Loss of library cards is a common problem for college students. However, applying online certificates can reduce the possibility of loss of library certificates. Third, online consultation. Fourth, the library borrowing time, seat inquiry, collection inquiry and other functions, these services can be practiced through the digital library's WeChat public service platform or a separate app to improve the service effect of the digital library in actual service. Although the current digital library of Heihe College has begun to gradually apply O2O services, there are still a series of problems in the process of service, whether the online or offline service effects can not be quickly integrated, or there are service functions in the online service. These problems have to be resolved quickly, such as relatively single issues. If these problems cannot be solved quickly, it will be difficult for digital libraries to adapt to the current social development and the overall requirements of the times for society. As a librarian, you need to do online and offline services. At the same time, you need constant innovation and rich online services. Through online services, you can improve the overall application effect of teachers and students in the application of digital libraries. Online and offline services also need to meet the overall needs of users for digital libraries to improve service quality. To a certain extent, the effective integration of online and offline development is an inevitable trend of the future development of digital libraries in higher education institutions, and it is also the actual requirement for higher education institutions to truly realize the development of digital libraries.

#### **4. Improve the Overall Quality of Library Management Personnel**

At present, there is another problem in the application of digital library in China's colleges and universities. It is that the comprehensive quality and development level of many digital library managers cannot meet the actual needs of current users. The managers of many digital libraries do not understand the application methods and application effects of digital libraries in practical applications, and cannot effectively meet the overall needs of users in the application of digital libraries, and also make digital libraries unable to be in Heihe. The college is adapted to meet the overall requirements of teachers and students. How to improve the comprehensive quality of digital library personnel is also very important, especially in today's rapid development of information, people rely more and more on network technology, many people access the information through the

Internet, how to make high The digital library of colleges and universities is further integrated with Internet technology, and helps more students and teachers to use the Internet to acquire knowledge, which has become a point that digital libraries in higher education institutions need to do. As a librarian, you need to keep up with the overall development trend of the times, choose the best innovative management concepts and management methods that meet the development of the college, and integrate the effective suggestions into the management according to the needs and suggestions of the readers. Based on the needs of the readers, the teachers and students of the whole school need to be the core objects of the innovation management.

On this basis, we will further promote the better and faster development of digital libraries in the context of Internet+. As a person in the digital library, due to its lack of management awareness, it is relatively backward in the choice of management methods. No matter the business ability or the relatively low comprehensive quality, it can not meet the Internet + background. The actual requirements of the library management staff. As a librarian and a manager of a higher education institution, it is necessary to consider the management effect of the digital library management personnel. In addition to strict compliance with relevant rules and regulations, it is also necessary to improve the following skills of digital management personnel: For computer hardware maintenance and management skills, computer software management and maintenance skills are directly related to the daily work, and the chaotic network information needs to quickly filter and organize network information to improve their business proficiency. Second, learn about the relevant knowledge of network technology, in-depth understanding of various electronic items, application methods and application characteristics in practical applications, modern management skills, and promote the quality of work in actual work, truly Service first, readers first.

## 5. Conclusion

In summary, in the context of the Internet +, addressing the problems existing in the development of digital libraries can improve the overall effect of Internet + library management, and the emergence of the Internet + background has brought very much to the current lives of people. Big changes, this is a earth-shaking change that needs to be based on digital technology. At present, the digital library faces more reforms and needs to meet all the requirements of teachers and students in the application of libraries. The various elements contained in the library also need to be redefined at the current stage. In the context of the Internet +, as the administrator of the Heihe College Library, it is necessary to grasp the trend of the times and always understand the purpose of practical application of teachers and students in the application library. What characteristics of the library still need to be changed, and the overall innovation of the digital library, whether it is talents, services, information, etc., must meet the requirements of students, improve their service level, and maximize the work of all institutions. The application effect of the personnel application library has gradually increased.

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