

Research on Ubiquitous Intelligent Service of University Intelligent Libraries from the Perspective of Multiple Embedding

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Abstract: driven by intelligent technologies such as internet of things and artificial intelligence, libraries will inevitably move from physical libraries and digital libraries to intelligent libraries, which will become the direction and new form of library development in the future. Under the ubiquitous knowledge environment, the development of knowledge economy, the networking of social development, the socialization of science and the scientization of society have had a profound impact on library science. Knowledge service is the mainstream service mode of university library, and it is also the hot spot of theoretical research in the field of graphics and information. Based on the multiple embedded perspective, this paper expounds the current situation of the research on the construction of university intelligent library resources in china, and puts forward the methods to solve the problems in the process of innovation and development of university library intelligent service.

1. Introduction

At present, all walks of life are rapidly developing and changing towards the intelligent direction of interconnection of everything. As an information-intensive industry, libraries must also be integrated into the trend and trend of intelligence [1]. In the ubiquitous knowledge environment, science and technology have penetrated into every field of social production and life, changing people's mode of production, life style and way of thinking [2]. In the new era, how to do a good job of intelligent service puts forward higher requirements for university libraries. Knowledge economy has become the mainstream economy in today's world. It has had a great impact and far-reaching impact on various industries and fields, and its impact on libraries has penetrated into all aspects. In the development process of knowledge-based society, innovation drives development and culture drives innovation. The realization of innovation has triggered an explosive growth in information demand [3]. as a professional information resource center for the storage, utilization, dissemination and innovation of knowledge, college libraries should be duty-bound to provide intelligent services and change the traditional service mechanism [4]. Social information users have higher requirements for information services. It is difficult to maintain a balance between the supply capacity and level of social information resources and the ever-expanding knowledge and information needs of the public.

Modern information technology and service concepts have brought profound changes to libraries. Traditional libraries that provide literature services based on collections of documents have been transformed into intelligent libraries and digital libraries that provide information services and knowledge services. Center [5]. In order to adapt to the ever-evolving and changing era, everyone and every organization must continue to learn and improve. After the theories and ideas of learning organizations were introduced into china, some colleges and universities in china proposed the creation of learning colleges [6]. The operating mode of the learning organization should at least include the establishment of learning concepts and beliefs to create a strong learning atmosphere [7]. The survival, development and management of libraries are facing many opportunities and challenges. In order to adapt to the changing environment and to survive and develop, the library must be built into a learning organization. Facing the environment of the knowledge economy, university libraries must seize opportunities, transform functions, and better serve users [8]. Based on the perspective of multiple embeddings, this paper will elaborate on the general situation of the

research on the construction of resources in china's intellectual libraries at the present stage, and put forward the methods to solve the problems encountered in the innovation and development of intellectual clothing in university libraries.

2. Innovative Ways of Intelligent Service in University Libraries

Compared with intelligent service, intelligent service is a higher level service. Based on intelligent information technology, it emphasizes comfortable experience with the characteristics of interconnection and high efficiency, and can promote collaborative innovation and scientific creation. With the development of modern information technology, libraries are gradually developing towards digitalization and networking. However, the future development mode of libraries is a mixture of coexistence and complementarity between digital libraries and traditional libraries. We can apply information technology to the research work of university library resources construction, thus improving the efficiency of the research work of university library resources construction. The staff in the library must be freed from the conventional thinking mode so that they can always be in an active position in the management of the library [9]. In this sense, the learning organization has become a most basic and necessary factor inside the library. With the development of science and technology, more and more high-tech emerged. In the construction of resources, we can use the library management system. According to the business scope of the library, we can use a variety of information service subsystems to strengthen the construction of the library. The expansion of service objects and service scope is based on the basic requirements of users' ubiquitous smart library construction.

The sustained and stable development of the economy and the continuous strengthening of the globalization trend have made cultural exchanges in different countries more frequent and deeper, which means that the service target is no longer limited to a certain range, and people in the world are potential user groups. The service direction of university library resource construction research work can be analyzed by library information consulting staff through long-term information processing, and then the direction of university library resource construction research work can be determined [10]. It is urgent to establish a learning library, fully tap the library's collection resources, and provide good services for lifelong education. Personalized learning can adapt to and meet the different learning needs of different learners, and can improve the learning quality and efficiency of learners. Every reader here can enjoy multi-angle, comprehensive, meticulous and thoughtful service. The readers of the library can independently control the time and control the characteristics of learning, and provide members of society with independent space for reading, thinking, research, communication and personality cultivation according to the needs of their respective stages of development. Social networking is an effective way for libraries to establish reader behavior models, improve virtual reference resource services, guide readers to make full use of the library, and give full play to library intelligence.

3. Strategies for University Libraries to Develop Intelligent Services

3.1 Advantages of University Libraries in Developing Intelligent Services

The scale of smart services like this is not very large, and many libraries have the ability to establish them. The accumulation of such database volume provides data guarantee for the final establishment of a unified platform for smart services. The essence of knowledge economy is high-tech economy, high-culture economy and high-intelligence economy. It is a sustainable economy based on high-tech industry and intelligence resources. Personalized customization of intellectual resources is embodied in the establishment for a specific purpose or to solve a specific problem. The specialized knowledge platform of disciplines is established to meet the specific needs of certain types of readers. The traditional concept of library service makes the librarians lack the consciousness of innovation and competition. With the birth of intelligent technology, major new changes are bound to occur in libraries, that is, libraries are moving towards smart libraries, and

library services are moving towards smart services. Social sciences must think about issues from a global perspective, stress the complexity of social systems, recognize the differences and complementarities in various cultural traditions, and work hard to explore the methods and theories that are accessible to countries around the world.

Library is an industry containing a large amount of information, knowledge and its carriers. It needs to rely on learning organizations to continuously learn new knowledge, collect new information, and develop information sources. With the strengthening of human interdependence and the continuous emergence of integrated structures, global consciousness and world history are also being formed. Library wisdom service is that in the process of providing information services for readers, the library not only provides information resources, but also provides users with new knowledge concepts and cultivates new reading habits and abilities in the process of user problem solving. Create a new knowledge service model [11]. The purpose of establishing a new management mode to meet the requirements of the times is to give full play to the functions of the library to serve the readers. With the development of society, the requirements of all walks of life for information show some new characteristics. For example, information needs are differentiated and personalized. The generalization of service object means the extension of service scope and service content. In the current ubiquitous knowledge and information environment, the focus of users is no longer whether to explore knowledge and access information, but to obtain resources to meet their personalized needs in the most efficient way.

3.2 Two Development Stages of Intelligent Service in University Libraries

Intelligent service is based on knowledge service. Creative wisdom is used to collect, organize, analyze and integrate knowledge to form brand-new knowledge value-added products, to support users' knowledge application and knowledge innovation, and to transform knowledge into productive services. With the revolutionary changes in information technology, the in-depth development of computer technologies such as artificial intelligence and big data, and the shift of user needs to more personalized and deeper knowledge needs, libraries must introduce new technologies to enhance their vitality and vitality. The society and the public do not need a library, but need a library different from the traditional library, and need the library to move towards a new mode and realize new functions. The construction of ubiquitous libraries must break down the barriers of service objects, no longer distinguish between readers inside the library and readers outside the library, users can equally enjoy all kinds of library services, and realize the global sharing of library literature information [12]. The smart library uses the physical library as a platform, integrates traditional printed resources and digital resources in a seamless information environment, and builds a library composed of physical space and virtual space that provides information and knowledge services around the clock. The expansion of library service scope means more issues involved, especially the use of resources must be restricted by corresponding rules, to ensure the standardization and legality of services, and to avoid the occurrence of disputes and ambiguities to the greatest extent.

With the development of society and the acceleration of knowledge renewal, people must constantly improve themselves. Turn the library into a continuous learning organization and actively cultivate the learning and innovation capabilities of each librarian. In order to make the overall organization of the library more flexible and adaptable [13]. From the perspective of value identification, the convergence and fission of technical forces in the short term not only strengthens people's dependence on technology, but also strengthens people's worship of technology. From a technical point of view, the library smart service is to provide readers with high-quality personalized knowledge services by using a series of information technology means under the background of advanced information technology. The library will use its own advantages in information resources to build a smart library based on the integration and collaboration of ubiquitous libraries and smart services, which will meet the needs of the masses.

4. Conclusion

The smart library is an advanced stage of library development. The user-oriented ubiquitous smart service can meet the growing needs of users. Although the application of knowledge service projects in university libraries has achieved initial results, this is only the first step in the library's exploration of knowledge services. Its development in the field of practice is not mature, and it is far from innovative knowledge service concepts and applications. There is still a long way to go for the widespread popularity of. With the development of economy and society, the research work on the construction of university library resources has increasingly become a powerful way to ensure the healthy development of university libraries. Its existence has provided an inexhaustible motive force for the development of university education. The construction and development of digital libraries in colleges and universities need to conform to the requirements of the development of the situation, actively grasp the opportunities brought by ubiquitous intelligence, innovate service modes and continuously improve in specific business practices. The service direction of the research work on the construction of university library resources can be analyzed by the information consulting staff of the library through long-term information collection and processing, and then the direction of the research work on the construction of university library resources can be determined. The research of intelligent library is still in the initial stage. The intelligent service system integrating personalized recommendation system needs more profound theoretical exploration and technical practice to further test and realize.

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