The Analysis of the Informatization for the Promotion of Library Service Mode

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Abstract: Contemporary society has been in the era of information explosion. The speed of information flow and integration development has been distributed in all aspects of our lives. The correct use of digital and electronic information can keep up with the pace of development of the times. Construction of library and information service model has become the key to the construction of national information. This research is based on the information technology background of the library and information service model to start the status quo, identify the problem lies, and put forward the service model to enhance the strategy.

Keywords: informationization; library and information organization; service model; promotion

Introduction

From the industrial society into the information society, the value and goal of information resources has been infinitely enlarged, as an important factor in productive forces and social development strategy resources. People have made higher demands on information services and new challenges. From the national issue of “2006-2020 National Informatization Development Strategy”, has been able to clearly put forward the library and information service model for the promotion of national information construction role. This study will also focus on improving the library and information service model level, designed to fully demonstrate the benefits of service model and the effect.

1 The Purpose and Characteristics of the Informatization of Library Service Mode

1.1 Purpose

The informatization of the library service model is to explore the effective use of resources in the network environment to achieve the specific conversion of information services. From the "book-oriented" to "people-oriented", emphasizing on people-oriented and strong humanistic care. It can be said that the library and information service model informatize the needs to take the user service as the core, which embodies the core competence of the intelligence service mode [1].

1.2 Features

The characteristics of library informatization service model are mainly manifested in the following aspects: first, the pertinence. The basic goal of the library and information service model is to ensure that the user can obtain the resource
information of convenience, and provide information resources for the needs of the users. The user can retrieve the information according to the requirements of the individual and realize the information acquisition. Library Informatization Service Model is in the network environment, the content of digital information resources is very rich, the information storage version is more, and the format is in a variety of state. In the framework of the service need to respect the user's personalized information requirements and objectives, to achieve the search of information content, by entering the query conditions, personalized word frequency to complete the query information query, and to get the query results. This whole process of library informatization service model can show a good service effect, showing the characteristics of high efficiency.

1.3 Gap

Based on the informatization, the library information service model effectively breaks the traditional spatial and geographical constraints, the network can be successfully distributed in different systems, different regions of information can also be effectively integrated together to form a relatively comprehensive information service system. With the gradual maturity of network technology and the rapid growth of the number of Internet users, library and informatization service model is having a breakthrough innovation [2].

2 The Existing Problems of the Service Mode of Library and Informatization Service

In the context of information technology, the service model of library and informatization service is relatively late in China, whether it is from the theoretical level or at the practical level, the content of the service model is not very comprehensive. In particular, the management of information service agencies is still in a sub-sector management of the state, in the new technology, new environment and the impact of emerging services, library and information agencies to seek information services industry development has been imperative, which in need to solve the existing problems from different perspectives and deep excavation of its essential laws. It can be said that the current situation of library and information service model is not optimistic, the specific problems in the following aspects:

2.1 Digital Information Resource Organization Disordered

The disordered state of digital information resource organization has a serious impact on the information construction of library and information institutions in China. This kind of disorganization of the specific performance of the main library of information management issues, from the current actual management situation, mainly in the multi-sectoral management and no professional department to managed causing this embarrassing situation. The system and the system internal information service agencies are blindly developing and using of digital information resources, resulting in digital information resources organization process has been seriously affected. Taking Chinanet as an example, in the context of information technology are established with the same functional framework of the grid, and the system is in a redundant state of construction, in a number of major cities to build only for their own Web site to provide information services into the platform, with its own customer base and sales system. The emergence of this situation to a certain extent, the existence of a vicious competition, the emergence of resources, capital and equipment serious waste of the situation, is not conducive to the development of national information technology process, and even have a serious impact. It can be said that the organization of digital information resources disorder, which is the first problem that the library and information service mode needs to be improved.
2.2 Library and Information Service model lack of standards and convergence

The lack of good convergence environment and corresponding standards. The service model and the service work are not implemented according to the working standard, which leads to the lack of a unified standard of service mode. Similarly, the library and information service management model lacks the data acquisition and processing procedures, classification standards and other aspects of convergence, resulting in the value of the entire service model cannot meet the maximum requirements. In addition, the performance of the specific standards and norms level, mainly refers to the library and information service agencies in the digital information network system, the information organization of the construction of data resources. These are the lack of a unified standard, it can be said that the promotion strategy of the service model of the library and information service needs to solve the problem of the corresponding standard and the convergence level effectively.

2.3 There is a difference in the control and use of information

In the high-speed circulation of information today, the library and information service model can provide a systematic information service environment. But need to rely on their own for the control and use of information, these books and information resources need to rely on the relevant information providers to provide specifically, including libraries at all levels, public reading room.

In the network environment to achieve a comprehensive sharing of information resources, so as to support the integrity of the library and information service system to provide information support. So that the real-time information resources for real-time updates to achieve the specific use of information technology, and thus in the guidance and coordination mechanism under the constraints of information services platform to achieve the building. But at present, the library and information institutions for information control, in a bad usage, which consider as having some differences[3].

3 The Information Construction Stage and Specific Requirement of Library and Informatization

3.1 Information construction stage

Library and information organization of information technology is a systematic process, the main experience of three stages: First, the management of the standardization stage. The process of standardization of management of library and information institutions is to optimize and innovate the traditional management methods, innovate the information management methods and management methods, enhance the information flow rate within the library and information institutions, and enhance the survivability of the library and information institutions. The implementation of the standardization of management, the survival of library and information services and quality of life have a certain impact, will effectively avoid the error caused by artificial errors, management costs will be effectively controlled. Secondly, the digital stage of resources, under the influence of the informatization, the library and information institutions have made the reform, and have certain status and economic benefit in the market economy environment. But because of the early construction of the constraints and the impact of unstable factors, economic interests are not ideal. At this stage, the library and information institutions and IT framework has been basically formed, which can be shared between the internal resources, but the information between the various library and information agencies cannot be timely and effective dissemination of information sharing efficiency has not been reflected. Thirdly, the integrated information of the stage. Compared with the first two stages, the stage of the integration of information for a higher degree of
comprehensive excavation of information technology brought about by the advantages of convenience, the period of library and information agencies have basically established a large information network system, resource sharing mechanism to formation, which can provide a relatively comprehensive information services, this stage of the formal research and construction stage[5].

3.2 Specific requirements of information technology

Want to improve the level of service services of library and information services, you need to do a good job of information technology, to seize the information age brought about by the many advantages of the times, in order to ensure service capacity to enhance the need to put forward the specific requirements of information technology:

First, the hardware device. The information construction of the library and information organization requires the special server, the network router, the network firewall and the hardware storage device. The hardware equipment is required to be higher in the process of selecting the equipment, and the concrete analysis is needed according to the service system, to avoid waste of resources.

Second, the software system platform. The use of network production system will be the original information resources into digital form, according to the network publishing system for information integration, stored in the database, so that users can conveniently use.

Third, the database. In order to meet the goal of library and information system construction, the choice of resource database is mainly based on Oracle, Sybase and other cost-effective software-based.

Fourth, the backup system. Once the library and information service system problems, you need to prepare the backup system to ensure that the backup content to meet specific requirements, does not affect the user for the use of information requirements, to maintain the stability of data resources [5].

4 The Strategy of Informatization Promotion of Library Service

From the background of information technology, the service strategy of library and information service has to improved, and the function of digital information service and the realization of alliance and cooperation are discussed in detail in the case of satisfying the specific requirements of information construction, to solve the developmental problem of library and information service.

4.1 Formulate and introduce policies

The policy formulation is intended to provide specific requirements for the library and information service in the context of informationization, to provide a guarantee for the concrete realization of the socialization process of the service model, and to formulate the overall policy according to the work of the social management platform. In the policy and policy norms under the guidance of the library and information services for social development to provide a way. In the corresponding policy support should also strengthen the informatization of the library and information service agencies specific revision, based on the rich resources and service advantages, through a variety of forms to disseminate scientific and cultural knowledge. Among them, the continuous development of digital information technology and innovation for the book information management services to provide a strong technical support. In the dynamic information environment, the effective, accurate and real-time information resources are tested, and the information resources are required to be fully integrated. The different regions, different fields and different types of
information resources are connected to learn, evolve and cooperate the way to optimize the integration of library resources to provide protection, expand the scope of information services and development space, to achieve the optimal integration of resources and support loosely coupled. Through the development and implementation of the corresponding policy, to create a social management platform based on the external environment. In order to achieve the social management of library and information services, but also need to develop a standardized development system, and comprehensively enhance the digital information resources service platform for public service capabilities and information access capabilities. From the policy constraints as a prerequisite for the library and information institutions to provide the conditions for the social management of services for the library and information services to enhance the strategy to lay a solid foundation [6].

4.2 To do a good job of digital information service configuration

In the context of information technology, library and information institutions have entered into the comprehensive informatization stage in informatization construction, and have significant effect on the finishing of information resources. Digital information service platform to update the information carrier content, the need to provide the most comprehensive information service system, the establishment of social supervision system. For the digital information services can provide the function, for the majority of users to retrieve information and information to provide information protection, which is mainly dependent on the service platform. In the content of information retrieval to provide information to ensure the effective provision of information good resources and the full exchange of user information. For the integrated information service platform, the main function of the information providing platform for the network online query function, the function also includes directory database, library collection database and shared resource database and other aspects of the query. When the user through the Internet to enter the way into the system, you can using keyword, keyword query to achieve the contents of the personalized entry work, the query to the address and specific information presented to the user. In addition, the user for the results of the screening of the results of the work, the final choice of valuable information to record, select the information you want to find the content. From the whole process of information service, the function of the operation is relatively close, the information sharing and dissemination speed in line with the needs of individual users. Based on this, for the library and information agencies, should actively realize the information construction, play the interactive goal of information resources, do a good job of digital information service function configuration, for the service platform and comprehensive information provided to provide comprehensive protection.

4.3 Achieve cooperation and alliance

Based on the informatization of technology, the service model and service level of library and information service need to be supported by the digital environment, and the digital information resources can be fully integrated according to the effective support of information resources service. But with a single platform still cannot show the intrinsic value of library and information services, the need to achieve cooperation and alliance development. Taking Wanfang Data Platform as an example, as one of the few complete scientific and technical information databases in China, it can provide diversified value-added services in the process of providing scientific and technical information service. The platform always adhere to the construction and development of information resources as the core, and constantly explore the way to improve the information resources and specific methods, the use of scientific analysis tools and a wide range of consulting methods to provide users with a relatively systematic information value-added service system so as to provide users with a complete set of system solutions in the process of using information to ensure that the
decision-making process is scientific and reasonable. We can say that the data in the country at home and abroad have an important impact, to actively seek cooperation and alliances, to provide dynamic support for social management.

Conclusion

Based on the information technology, the service model of library and informatization service is facing a new development environment, and there are still some problems in the development. However, the socialization of digital information service has become an irreversible trend of the times. Only on the basis of the corresponding requirements to find a solution, we can lay the foundation for the upgrading of the service level of the library and information system, and lay a solid foundation for the gradual maturity of China's information construction system.

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