

# Research on the Recommendation System Function of University Library based on User Demand

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**Abstract:** library is one of the main ways for college teachers and students to acquire learning resources. Through the library, students are able to read a lot of books in class and out of class, which can help students to deepen their understanding of what they have learned. With the increasing amount of information, the demand for knowledge and information of students is constantly enriched. However, the function of library access to information cannot meet the needs of students, therefore, the desire of students to improve the function of the library system is more and more intense. In this context, we find that the library's recommendation system should also keep up with changes in information. This paper discusses the necessity, current situation and problems of Library recommendation system based on user demand, and puts forward corresponding solutions.

**Keywords:** University Library; Recommendation system; Present situation; Suggestion

## 1. Introduction

At present, the university library plays a more and more important role in the improvement of students' autonomous learning ability. The concept of "user centered" in library. The main service object of the library is the teachers and students, it also plays an important role in promoting teachers' teaching and students' learning activities.

## 2. Research on the Necessity of Establishing and Perfecting the System of University Library Recommendation

The construction of the University Library recommendation system reflects the importance of the construction of University library. The way to realize the recommendation system of university library includes: blackboard bulletin board and network. The first method is limited in space, but it can be updated and maintained in time, and can play its role effectively. And fewer and more detailed bibliography recommendation is closer to the students' reading ability and habits. The second methods have a large amount of storage, and their reuse can save money, but it will take a lot of energy to maintain the online recommendation system. Whether it is the blackboard bulletin board or network, which reflects the importance of the University libraries.

First of all, the library recommendation system reflects the teachers' teaching activities and students' learning content to some extent. This system can provide an important reference for the librarians to buy books, at the

same time, it can make better use of the funds. The purchasing staff of the library are mostly the staff of library management, so the direction of the purchasing books is based on their own knowledge structure. However, the library is not only a large number of library, but also an important channel for teachers and students to provide a variety of resources and information. If only rely on the procurement of a single knowledge system for the purchase of books, it is easy to appear one-sided knowledge phenomenon. Therefore, the school wide collection of teachers and students on the proposal to buy books, which can improve the quality of the work of the library, but also reduce the burden on the staff.

Secondly, the book recommendation system can be called on the majority of teachers and students to join the bibliographic recommendation activities, which not only can collect multiple valuable books information, but also can improve the enthusiasm of students to participate in the library management. The platform of Library recommendation system can better connect the relationship between universities, teachers and students, and strengthen the communication and cooperation between them.

Thirdly, the establishment and improvement of the library recommendation system is helpful to improve the utilization of Library resources. After all, the library's procurement budget is limited. Therefore, if the purchase of valuable books will enhance the reading desire of teachers and students.

Finally, the recommendation system of university library not only includes the recommendation of teachers and students, but also includes the suggestions of Library

management. There is no doubt that teachers and students as the main body of the University, so most of its needs should be met. Although the library management personnel is mainly responsible for the procurement of books and daily management of the library, but the library management personnel more is composed of retired old teacher, they have a rich life experience and profound knowledge accumulation, which can make up for the recommendation of professional knowledge to a certain extent.

### **3. The Present Situation and Problems of Library Recommendation System**

The benefits of the library recommender system are obvious. However, China's Library recommendation system is still a new thing. At the same time, the composition of teachers and students and teaching activities also have their own characteristics, so the system should also be combined with these features to better help the school teaching activities. Recommendation service system is not perfect, and there are some problems in the actual operation process.

First of all, the categories of books recommended are not properly classified. As mentioned above, the main services object of the library recommendation system are students and teachers. These two groups have their own unique characteristics, whether in the professional knowledge or in the interest, so if the different categories of books recommended category cannot be clearly divided, which is not conducive to users to browse and query the required content. The recommended bibliography for the students is more close to the needs of the students, but not professional; The recommended bibliography for teachers is more likely to be in professional categories. The recommendation system of many university libraries does not divide teachers and students effectively.

Secondly, the recommendation of the library purchasing system is relatively simple. The knowledge of Arts and science should be communicated with each other so as to cultivate students' ability to adapt to society. However, at present, the recommendation system of university library has distinguished the arts and sciences. This trend is not conducive to the development of students' knowledge. The information on the purchase of the library is relatively single, and most of them are limited to the books, periodicals, and so on.

Furthermore, the library has a long processing cycle for the recommended purchase, which leads to the failure to better play the role of the exchange between the recommender system and the teachers and students. Library managers are mostly in the form of electronic information and e-mail reply to teachers and students, so these replies are often mechanized. Teachers and students at the beginning of the school put forward the recommenda-

tions, but many students after the end of the semester did not get the corresponding answer.

### **4. Suggestions on the Present Situation of Library Recommendation System**

It is also an important way to improve the utilization and quality of the library, which is also an important way to improve the library recommendation system. There are many ways to improve the service quality of Library recommendation system, here are some suggestions:

First, enrich the communication channels between teachers and students. Teachers and students are recommended to the library through the web site. This one on one way to increase the workload of the library staff, and this way is not conducive to the efficient development of recommended activities. In order to change the current situation of low efficiency, the library management system can be used to broaden the channels. For example, the library can regularly carry out book purchase activities in crowded places. The library can also produce different forms according to the professional characteristics of different books, and use this form to guide the teachers and students into the table. For example, the library can regularly carry out lectures to teachers and students about the group recommended purchase services, and put forward recommendations for the purchase of norms.

Secondly, optimize the category of the library recommendation system. The recommendation system can establish scientific intelligent retrieval methods, such as the division of history and philosophy, science, the number of legal, economic and political class, which allows teachers and students to better carry out the recommended activities. This approach is not only convenient for the user's recommended activities, but also reduce the workload of the library management. Library managers should not only classify the categories of books, but also guide the activities of teachers and students, especially the activities of students' recommendation, which can avoid the blindness of book recommendation and personal preference. For example, teachers and students can write down the author's brief introduction, the brief introduction of the content and the reason of the individual's recommendation. In this way, on the one hand, which can cultivate the sense of responsibility of teachers and students, on the other hand, the experience of reading books can be displayed.

Again, which can give play to the advantages of University resources. As mentioned above, no matter the students of liberal arts or science and engineering students, they must enter the society after the day, at the same time to accept the value of social multivariate test. Therefore, the teaching activities in Colleges and universities should not be closed and backward, but should follow the trend of the development of the times, and actively contact the community. At the same time, colleges and universities

can also play their own advantages. The library can enrich the students recommended books view through the introduction of lectures and academic exchanges, but also can drive the enthusiasm of outside organizations of book donations. For example, the judicial college library has a wealth of laws and regulations of the book, so the school can actively the existing resources of the school and outside the docking, which can greatly improve the utilization of Library resources.

## 5. Conclusion

The recommendation system of library has an important position in the whole library. In order to provide a good learning environment for teachers and students, the hardware facilities and software facilities in the school library need to be improved, and the service function of the library recommendation system must also be improved. At the same time, it is necessary to improve the service consciousness of the library management person-

nel. In order to create a good environment, the library should always take the reader as the center and make it more reasonable and scientific.

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