University Library in the Reform of University Education and the Construction of the Cultivation System

Jing Bao1,a,* , Jun Xu2,b , Hu Jia2,c , Liying Xing2,d , Gengmin Jiang2,e and Ke Ding2,f

1Department of Library, Nanyang Normal University, Nanyang, China
2Department of Civil Engineering and Architecture, Nanyang Normal University, Nanyang, Henan, China

abj0209@126.com, bjiahu80@163.com, cxujunhit@126.com, dxly19854525@126.com, ejianggengmin2013@126.com, f12495240@qq.com

*Corresponding Author

Keywords: University Library, Education Reform, Training System, System Construction

Abstract: Under the background of today's information age, with the development and enrichment of innovative educational theories, the new higher education model determined by the transformation of student learning methods brings new issues to library construction. The purpose of this article is to study the role of university libraries in the reform of university education and the construction of the training system. Through the renewal of university library management concepts, the optimization of collection resources, the innovation of service models, and the transformation of the way teachers and students use libraries in universities, explore and study the role of university libraries in education reform in the digital age, and analyze the construction of a talent training system. Focusing on the case study of the HS Teachers College Library, questionnaire surveys and interviews were conducted with different readers based on the current situation of the educational function of university libraries. The experimental results showed that 36.5% of student readers have only heard of the book, but have not studied the book in depth. Library electronic resources, summarize the main factors restricting the education reform, and put forward some countermeasures and suggestions to strengthen the role of university library education reform.

1. Introduction

The library plays an important role in cultivating the talents of students [1-2]. University libraries have great opportunities to improve the quality and strength of students. In the context of diversified and practical curriculum reforms, as an important part of providing document services for higher education, university libraries should actively implement management strategies, improve operating systems, and rely on modern computer technology, communication technology and information technology [3-4]. In the digital and open source environment, it opens up new concepts, provides...
new ways, and creates new frameworks for the work of university libraries [5].

At present, many scholars have explored and studied the content of education reform in the new era, looking for its laws. Xiao Y has evaluated the long-term impact of the reform of free compulsory education in rural China on the education level, cognitive achievement and health of individuals. They use the inter-provincial differences in reform implementation and apply differentiation strategies to determine the causal impact of reforms on the results. They found that the reform exposure, measured by the number of semesters that an individual should receive free compulsory education, was positively correlated with the individual’s educational level and cognitive achievement measured by the early adult math test scores. In the long run, reforms will have a greater impact on educational achievement [6]. Elizabeth describes a reciprocal teaching and learning relationship in which educators and students learn from each other. Towards a double successful trajectory of learning and future achievement, and to ensure that the identity of the student is strong and safe. The three backgrounds of the reform are: the cultural relationship of responsive pedagogy; family, school and community cooperation, and adaptive professional knowledge to promote conscious professional behavior. When school leaders pay unanimous attention to all three backgrounds, reforms and student progress will accelerate [7]. In order to achieve the goal of cultivating innovative talents, the library must fully repay its interests, so that students can receive emotional enhancement, human development, strength training and comprehensive quality enhancement in the library, and become high-quality talents [8].

The innovations of this article: First, pay close attention to the impact of university libraries on students, and examine the role of university libraries in education reform from a new perspective. Secondly, according to the importance and characteristics of the network environment, understand the influence and influence of the network on the ethics of modern college students and the combination of university libraries and students, and explore the quality education of university libraries under the network environment. The third is to improve the effectiveness of library research assistance in university libraries, so that university readers are deeply infected.

2. Research on the Role of University Library in University Education Reform and the Construction of Training System

2.1 The Role of University Education Reform in University Libraries

Traditional education adopts a teacher-centered education approach, classroom-centered, and book-based. Teachers, textbooks and students are in a three-part state, and the teacher controls the entire teaching process. In the Internet age, the content of teaching materials is digitized on the Internet, teachers and teaching materials are combined, and even "e-teachers" have appeared [9]. Knowledgeable people can learn from teachers, knowledge bases, and experience projects, and carry out knowledge acquisition activities in a wider range of areas, and spend less time. Teachers have changed from "sages on the field" to "people" who process knowledge, put forward insights, and solve problems for students [10]. By creating educational information sources on the cloud platform, teachers and students can use mobile phones, handheld computers (PAD) and other wireless smart terminals for teaching activities in an open mobile network environment to promote the development of education. Abundant learning data, advanced knowledge data, structured and unstructured data of students' classroom learning process, etc. With the support of the cloud, the content created by the mobile device during the learning process will be analyzed and implemented in real time, realizing real-time monitoring and evaluation of student learning [11].

The development and utilization of information sources in traditional high school libraries are
not deep enough. With the development and application of cloud computing technology, a broad space has been created for the development of libraries. University libraries should take the "whole library" concept as the forerunner and actively build a cloud technology library. The library technology platform is an upgrade of traditional library technology. It includes some changes in infrastructure and technical performance requirements. It integrates the information resources of high school libraries through parallel computer technology and computer technology, and develops a large-scale computer complex [12].

2.2 Cultivation System Construction

(1) Highlight quality education and innovation ability training
Quality education is the manifestation of the overall development of the moral, intellectual, physical, and aesthetic talent training program. When formulating training plans, quality education and innovation training should run through the entire training plan, and abandon the previous practice of only focusing on vocational training and not focusing on the cultivation of quality talents. As part of the training concept, some related subjects (such as science, psychology, creative research, etc.) should be provided for students to choose from. Based on the application of quality education and the cultivation of students' abilities.

In addition, we must pay attention to cultivating students' training ability. Training ability is an important basic skill for adult professionals. While imparting knowledge, university teachers should also pay attention to the methods of imparting knowledge. "Teaching people to fish is worse than teaching people to fish." Information and analysis deal with a wide range of information resources.

(2) Strengthen the cultivation of practical ability
Practical teaching is an important guarantee for talent training. Colleges and universities should formulate student learning goals based on the current situation of the school and social needs, and build an education level that cultivates students' overall culture and new abilities based on the curriculum. The relationship between teaching and practical teaching should be the key guarantee for the implementation of student learning. Practical teaching contributes to the transformation of knowledge to ability, and practical teaching and practical teaching complement each other.

The development of a practical teaching plan must emphasize the nature and science of each related relationship, and determine all methods to understand the nature of knowledge and skills through each teaching line. Therefore, when planning a teaching plan, it is necessary to explain the purpose of cultivating new ideas and practical skills for students of different grades. The actual courses should be gradual, organized and organized, focusing on cultivating students' basic knowledge.

Each subject should explain the overall purpose of freshmen's thinking and practical skills, as well as the purpose, standards and methods of controlling each line of teaching practice.

3. Investigation and Research on the Role of University Libraries in University Education Reform and the Construction of Training System

3.1 Questionnaire Survey

The content dimensions of this survey mainly include three aspects: the construction of literature resources, the guidance of the library to students, and the information quality education. Compile a questionnaire survey based on the current situation of the library education function of HS Teachers College. A total of 165 questionnaires were printed and distributed, and 165 questionnaires were
recovered, with a recovery rate of 100%; after removing invalid questionnaires, 156 questionnaires were finally retained, with an effective rate of 95%.

Before the survey, student readers with a high rate of library visits were taken as the subjects of this survey. The advantage of this group is that this group can reflect the use of the library by the vast majority of students, and can complete the relevant questionnaire on the premise that they fully understand the library. Ensure that the survey results are more true and effective. At the same time, setting the survey object's grade as the beginning of the questionnaire is convenient for understanding their knowledge level, studying the law of their use of the library under normal circumstances, and also convenient for classifying and summarizing survey data. According to the statistics of the number of surveys, there are 102 female students, accounting for 65.3%, 54 male students, accounting for 34.6%; among them, there are 86 liberal arts students, accounting for 55.1%, 46 science and engineering students, accounting for 29.4%, and 24 art students, accounting for 15.3%.

3.2 Data Processing and Analysis

This article uses SPSS 22.0 software to count and analyze the results of the questionnaire, and conduct a t test. The t-test formula used in this article is as follows:

$$ t = \frac{\bar{X} - \mu}{s\sqrt{n}} $$

$$ t = \frac{X_1 - X_2}{\sqrt{\frac{(n_1-1)s_1^2 + (n_2-1)s_2^2}{n_1 + n_2 - 2} \left(\frac{1}{n_1} + \frac{1}{n_2}\right)}} $$

Among them, formula (1) is a single population test, $\bar{X}$ is the sample average, $s$ is the sample standard deviation, and $n$ is the number of samples. Formula (2) is a two-population test, $s_1^2$ and $s_2^2$ are the variances of the two samples, and $n_1$ and $n_2$ are the sample sizes.

4. Investigation and Analysis of the Role of University Libraries in the Reform of University Education and the Construction of the Cultivation System

4.1 The Current Situation of Library Teaching

Since the library is an important area of learning and scientific research in universities, this questionnaire intends to analyze the status quo of library teaching and supporting education based on the frequency of library use. The survey results of library usage frequency are shown in Figure 1. The students who go to the library almost every day account for 16.6%, and the students who go to the library 1-2 times a week account for 58.3%. Classmates account for 25%. It seems that more than half of the students can guarantee to go to the library 1 or 2 times a week, which shows that most student readers may realize the importance of using the library and library resources to assist learning. Table 1 shows the statistics of the number of people attending the library in each grade.

| Table 1: Statistics of the number of people attending the library in each grade |
|----------------------------------|----------------|------------------|
| Almost everyday                  | 1~2 times a week | 1~2 times a month |
| Freshman                         | 10             | 23               | 18               |
| Sophomore                        | 6              | 18               | 10               |
| Junior                           | 6              | 25               | 5                |
| Senior year                      | 4              | 25               | 6                |
Through interviews, it is learned that student readers have not developed good research habits. Although libraries often invite database providers for on-site promotion and training, few readers volunteer to participate in research. Therefore, the library should fully mobilize the enthusiasm of student readers. Actively participate, strengthen pre-publicity and post-supervision surveys, and improve student readers’ awareness and information literacy capabilities. Taking into account the characteristics of student readers’ interest in network search engines, specific training on retrieval methods and the design of different search engine functions can be carried out in a targeted manner, so that the educational function of the library can be fully emphasized and improved. The effectiveness of library research assistance Attract student readers into the library from the perspective of students, and gradually use the library to cultivate good independent research habits for student readers.

4.2 Status Quo of Information Literacy Education

The degree of understanding of library electronic resources is shown in Figure 2. Introductory training for new students is the main way for student readers to understand library electronic resources. Through interviews, we learned that in addition to introducing the general situation of the library, the library’s freshman enrollment education mainly introduces the distribution of library collections, electronic resources, mobile libraries and other related content. However, only a preliminary introduction can give new students a meaningful experience. Understand that the library does not have systematic training on how to restore the system to check and borrow books, how to use electronic resources to retrieve paper, and other related skills. Therefore, the library must
create the status quo based on the integrity and prudence of information resources, and improve the educational function of the library to meet the resource needs of more readers.

![Figure 2: Ways and levels of understanding of library electronic resources](image)

Information literacy skills are the basic learning skills that students should possess. The library has the educational function of imparting the basic methods of retrieving document information to student readers. This is not only to improve the basic skills of student readers in obtaining information and seeking knowledge, but also one of the most effective ways to improve the efficiency of library information resource utilization. This study investigated the understanding of bibliographic information retrieval knowledge. The results showed that 36.5% of student readers had only heard of it but did not study in depth, and 13.4% of students had studied it by themselves. Regarding the questionnaire sample data of respondents who chose "class learning", it is not difficult to find that 50% of the students in related majors such as electronics, software engineering, computer and information management, business administration, logistics management, etc., learned through interviews with this course. According to professional characteristics and vocational training plans, the teaching content of some vocational courses includes knowledge retrieval, the purpose is to help students in this field to quickly improve their professional skills. This course is taught by professional teachers. The content of the explanation is not covered by the conventional bibliographic information retrieval course, but only the retrieval skills related to the profession.

5. Conclusions

The library occupies a special position in colleges and universities. It is one of the basic education positions for teaching and scientific research in colleges and universities, and it is also a particularly important home for ensuring the quality of teaching. Under the current background of promoting quality education and cultivating talents, educational libraries have received more attention due to their unique conditions and advantages. This research starts with the related literature achievements of the library education reform, and a large number of literature materials
related to the library education reform are consulted and collected. On the basis of grasping the relevant theories about the role of university libraries in education reform, through the statistics of survey data, relevant information is obtained, and the current situation of the library education function of HS Teachers College is analyzed, so as to facilitate the development and construction of the library in the future. The library can give full play to the educational role of the library.

Acknowledgements

This work was supported by General Project of the 13th Five Year Plan of Educational Science in Henan Province(2020YB0199), Classroom Teaching Mode Reform Project of Nanyang Normal University (No. 2019-JXYJKT-22), Undergraduate First-class Course Teaching Quality Engineering Project of Nanyang Normal University (No. 2019- YLKC-005), 2021 Key Project of Higher Education Teaching and Research of Nanyang Normal University (No. 2021-GDJY-ZDXM-009), 2021 Nanyang Science and Technology Development Plan Project (Soft Science Research, RKX18).

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