

The Role of Library Resources in Promoting the Teaching of Higher Vocational Automotive Maintenance Courses

Wei Wei

Shandong Vocational College of Communications, Shandong Weifang 261206

Abstract: This paper discusses the role of library resources in promoting the teaching of higher vocational automotive maintenance courses. It first introduces the current situation and characteristics of the higher vocational automotive maintenance program, and emphasizes the students' needs for practical and professional knowledge. Then it analyzes the role of libraries in teaching automotive maintenance majors, including learning support in the freshman stage, deepening learning and research opportunities in the middle stage of the curriculum, and employment preparation and lifelong learning support in the upcoming graduation stage. Then strategies for using library resources to promote teaching and learning in automotive maintenance courses are proposed, including literature search courses and lectures, library work-study activities and volunteer initiatives, and expanding collection resource building and inter-library communication and cooperation.

Keywords: Higher vocational automotive maintenance; Library resources; Curriculum teaching

1. The Current Situation and Characteristics of Higher Vocational Auto Maintenance Profession

Higher vocational auto maintenance major is a vocational education major that cultivates auto maintenance technicians. At present, with the growing demand of society for auto maintenance service, the auto maintenance major is facing new development opportunities and challenges. Students of this major mainly learn automobile construction principle, fault diagnosis and repair technology, electronic control technology and other related knowledge and skills. The higher vocational automobile maintenance major has the following characteristics. First, it is closely integrated with the actual demand and focuses on cultivating practical ability. Students will participate in actual car maintenance projects during school, and practice their skills through practice. Second, the speed of knowledge update requires students to have the ability to learn and adapt to changes. With the rapid development of automotive technology, students need to constantly learn new knowledge and technology. Third, the industry certification requirements are high, and graduates need to pass the relevant vocational qualifications to engage in automotive maintenance work. The current situation of the higher vocational automotive maintenance profession is that with the rapid development of the automotive industry, the employment prospect is broad and attracts the attention of many students. However, due to the high technical requirements of the industry and the fast updating of knowledge, professional teaching needs to keep up with the times and focus on the combination with libraries and other resources to improve the quality of teaching and the overall quality of students.

2. The Role of the Library in the Teaching of Automotive Maintenance

2.1 Newly Enrolled Stage

In the newly enrolled stage of higher vocational automobile maintenance majors, the library plays an important role and provides necessary support and resources for students. The library provides students with abundant study materials and reference books. For students just starting out, they need to gain a thorough understanding of the automotive maintenance field and build a solid foundation of knowledge. The library's library collection includes a variety of books, textbooks, journals and technical manuals related to automotive repair that can help students learn all aspects in depth. The library provides an environment for study and research. Students can study and research independently in a quiet, comfortable library environment. Libraries usually provide reading areas and study rooms, which create a good atmosphere and place for students to study. In conclusion, the library plays a key role in supporting and guiding the freshman phase of the higher education automotive maintenance program. Through rich resources and learning environment, libraries help students

build a solid knowledge base and develop their information literacy and independent learning ability.

2.2 Intermediate Stage of the Curriculum

The intermediate stage of the curriculum in the higher-level automotive maintenance program provides students with support and resources to facilitate their learning and professional development. The library provides students with opportunities for in-depth study and research. Students need to further expand and deepen their understanding and application of the automotive maintenance field. The library's rich collection of resources and electronic databases can meet students' needs for more in-depth, specialized knowledge. Students can access relevant books, journals and literature for more systematic and comprehensive study and research. The library provides learning tools and technical support for students who may be required to conduct some academic research, dissertation writing, or project reporting assignments. The library provides literature search tools and databases to help students quickly access relevant information and literature. In addition, the library provides information technology facilities and training support to help students use a variety of technological tools for study and research. The library also plays the role of a platform for communication and collaboration. Students can collaborate with their peers in the library to learn, discuss and share experiences. The library can also organize relevant academic events, lectures and workshops to provide students with opportunities to interact with industry experts and faculty members to promote their professional growth and collision of ideas. In short, in the middle stage of the course, the library provides opportunities for higher vocational automotive maintenance students to learn, research and collaborate through rich resources, technical support and communication platforms to promote their professional development and academic achievement.

2.3 Coming Graduation Stage

In the upcoming graduation stage of senior automotive maintenance majors, libraries still play an important role in providing students with support and resources to help them make a smooth transition to their careers. The library provides job readiness resources and guidance for graduating students. The library has an extensive collection of career guidance books, employment guides and industry reports that students can use to learn about job market trends, job search techniques and interview preparation. The library can also organize career talks and career counseling events to provide career guidance and advice. The library provides support for lifelong learning. Graduating students continue to need to learn and update their knowledge as they enter the workforce. The library's collections and online databases can provide them with resources for continuous learning and help them keep up with the latest developments and technological changes in the industry. The library also provides social and networking resources for graduating students. Students can use the library's academic social platform or online forums to connect with alumni, industry experts and other students to share experiences, discuss issues and expand their network circles. In conclusion, libraries continue to play an important role in the upcoming graduation phase of higher education automotive maintenance programs. By providing job readiness resources, lifelong learning support, and social networks, libraries help students move smoothly into their careers and continue to improve their professionalism and development potential.

3. The Use of Library Resources to Promote the Teaching of Automotive Maintenance Courses Strategy

3.1 Providing Literature Search Courses and Lectures

In order to effectively use library resources for teaching automotive maintenance courses, offering literature search courses and lectures is one of the main strategies. Offering literature search courses can help students master the skills to effectively access and use library resources. Courses can include how to use library catalog systems and electronic databases for literature searches, how to screen and assess the quality and credibility of literature, and how to conduct literature reviews and citation methods. Through such courses, students can improve the efficiency and accuracy of information access and develop critical thinking and academic writing skills. The library can organize lectures in which experts or librarians are invited to share information about the latest research and technological advances in the field of automotive maintenance. These lectures can cover cutting-edge technologies, research results and industry trends in the field of automotive repair. By attending these lectures, students can learn about the latest developments in the industry, broaden their horizons and enhance their understanding of practical applications.

3.2 Library Work-Study Activities and Volunteer Actions

In order to utilize library resources to promote teaching and learning in automotive maintenance courses, another strategy is to develop library work-study activities and volunteer initiatives. The library can provide work-study opportunities for students to participate

in the daily operations and services of the library. Students can take on roles such as library assistants, circulation clerks, or technical support staff, and be responsible for book organization, filing of materials, patron consultation, and technical support. Through these activities, students can deepen their understanding of library resources and enhance their information literacy and service awareness. Libraries can organize volunteer initiatives to involve students in community activities and public service projects on and off campus. For example, students can serve as library volunteers and participate in activities that provide community residents with knowledge about auto repair or participate in on-campus training on auto repair techniques. These activities can not only improve students' professional skills, but also cultivate the spirit of teamwork and social responsibility.

3.3 Expanding the Construction of Library Resources and Inter-Library Communication and Cooperation

In order to use library resources to promote the teaching of automotive maintenance courses, it is also possible to expand the construction of collection resources and strengthen inter-library communication and cooperation. The library can continuously expand the collection resources, especially books, periodicals, technical manuals and multimedia materials related to the automotive maintenance program. By updating and enriching the collection, students can get more and more comprehensive learning materials to meet their academic needs at different levels and depths. The library can establish exchange and cooperation mechanisms with other schools and libraries. By cooperating with other university or industry-related libraries, they can share resources, lend books, and provide services to each other to further enrich students' learning resources. Cooperation can also promote professional exchanges between teachers and librarians and share the latest teaching experiences and research results. Libraries can also actively participate in industry conferences, seminars and exhibitions to establish contacts with professionals and manufacturers in the automotive maintenance industry and obtain the latest technical information and industry news. Through such exchanges and cooperation, the library can better understand the needs of the industry, adjust the direction of building the collection resources, and ensure that the resources provided match the actual needs of curriculum teaching.

4. Conclusion

Library resources play an important role in promoting the teaching of higher vocational automotive maintenance courses. Through literature search courses and lectures, library work-study activities and volunteer initiatives, as well as expanded collection building and inter-library communication and cooperation, students have access to more learning resources and hands-on opportunities to enhance their professional skills and academic abilities. Library support helps students achieve better outcomes in course work, career readiness, and lifelong learning. By continuously optimizing strategies for library resource utilization, we can provide a better teaching and learning environment and learning support for automotive maintenance students and produce more competitive and adaptable talent.

References

- [1] Liu, M.Z., Li, Chuan. The Role of Library Resources in Promoting the Teaching of Higher Vocational Automotive Maintenance Courses [J]. *Science and Technology Information*, 2011(17):2.
- [2] Jianxin Zhou. Using Library Resources to Promote the Teaching of Higher Vocational Automotive Courses[J]. *Career Time*, 2008, 004(009):100.
- [3] Yutao Fu. On the Development of Teaching Resources of Automobile Maintenance Courses in Higher Vocational Colleges [J]. *Reading and Writing (Educational Teaching Research)*, 2012, 000(087):250-250.
- [4] Minfeng Jiang. Higher Vocational Professional Teaching Resource Library and Library Digital Resource Construction [J]. *Journal of Wuxi Vocational Technology College*, 2008, 7(1):3.
- [5] Dan Li, Lijuan Zhou. The Library Resources Construction in Higher Vocational Institutions Under the Perspective of "Three Comprehensive Education": a Case Study of Xiangtan Medical and Health Vocational Technical College[J]. *The library of Xiangtan Medical and Health Vocational and Technical College*.
- [6] Xuemei Wang. Digital Resource Service Teaching in Higher Vocational High School Library[J]. *Global Market Information Herald*, 2016(30):2.
- [7] Bao Yuzhe, BAO, Yuzhe(South, et al. The Role of Libraries in Project Teaching in Higher Education Institutions [J]. *Journal of Science and Education*, 2011.
- [8] Sujuan Wu. Information Resources and Campus Culture Construction of Libraries in Higher Vocational Institutions [J]. *Journal of Zhangzhou Vocational Technology College*, 2010.

- [9] Juan Zhou. The Role of Libraries in Higher Education Institutions for Quality Education of College Students [J]. *Happy Reading: the Next Journal*, 2013(3):1.
- [10] Na Wang, Chengkun Yuan. Exploration and Research on Reforming the Curriculum System of Higher Vocational Automobile Maintenance with Project-Based Teaching [J]. *Curriculum Education Research*, 2018(48):254.
- [11] Zhengfu Yun, Youli Ren, Xian Zhao. Exploring the Construction of Digital Resources in Libraries of Higher Education Institutions in the New Era of "Internet+"[J]. *Education Modernization*, 2017(09):94-96.
- [12] Hao Jing. The Role of Libraries in Higher Education Institutions [J]. 2010.
- [13] Hong Lu, Lian Zhang, Hai Fu. Exploring the Embedding of University Libraries into the Research Teaching of "Information Literacy" Course of Engineering Majors[J]. *Journal of Kerry College*, 2018, 36(3):4.
- [14] Xiaoli Lin. The Role of Libraries in the Integration of Digital Teaching Resources in Higher Education Institutions[J]. *Journal of Chongqing Institute of Science and Technology: Social Science Edition*, 2012(16):3.
- [15] Dongmei Zhu. The Construction of Professional Resources in Higher Vocational Libraries Based on the Integration Mode of "Teaching, Learning and Doing"[J]. *Office Business*, 2013(4S):2.