

Research on the Construction and Application of Extracurricular Learning Platform Based on Alumni Management System

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Abstract: In order to meet the needs of college students' extracurricular learning, optimize the content of course learning and cultivate students' autonomous learning ability, this article makes an in-depth study on the feasibility of the extracurricular learning platform based on the alumni management system, puts forward the construction ideas and modules of the extracurricular learning platform, and provides a reference for the construction of the extracurricular learning platform in colleges and universities.

1. Introduction

With the continuous development of information technology, an extra-curricular learning platform that combines autonomous learning and the network environment has become a new bright spot in teaching reform [1]. "China's Education Modernization 2035" states that colleges and universities should speed up education reform in the information era, and plan to build an integrated and intelligent teaching, management, and service platform. It can be seen that, with the help of modern methods, colleges and universities actively guide university students to carry out autonomous learning and improve their learning ability, which is strongly advocated in accordance with the development requirements of the information era and teaching reform [2].

The alumni management system is based on the computer software copyright of the National Copyright Administration, and targets all students in the college, all previous alumni, and all teachers of the profession. It realizes professionalism from multiple perspectives such as resource integration, software development, policy support, internal and external driving forces and actual needs. The rapid accumulation of data and the interaction between teachers and students inside and outside the school have reached the goal of reducing learning costs, optimizing learning content, and improving the effectiveness of autonomous learning. At present, the alumni management system is in the stage of extensive application and has achieved good results, which provides ideas for the construction and application of extracurricular learning platforms in universities.

2. Feasibility Analysis of College Extracurricular Learning Platform Based on Alumni Management System

2.1 Functional Value Analysis of Alumni Resources

The so-called alumni are students who study, work, or take further education in the same school, or who are in contact with the school and provide help [3]. Alumni can not only promote communication between the school and the outside world, reflect the social value of the university, provide development momentum for the university, but also play a positive role in students' extracurricular learning and education. On the one hand, alumni are the best learning models for school students. The school demonstrates the advanced deeds and professional capabilities of previous alumni through various forms of activities, which is conducive to enhancing the professional self-confidence of students and understanding their employment direction. Role models, keep making progress, and promote the growth of students. On the other hand, through

various channels such as offline excellent alumni exchange meetings, experience sharing sessions, or online relying on the alumni management system platform to promote communication between students and outstanding alumni, it is helpful to help students set their minds and take an active role facing employment, job selection and entrepreneurship, plan their life in advance.

2.2 Technical Feasibility Analysis

The alumni management system can adopt the B / S structure. The client only needs to access the official website through the browser to log in [4]. No need to install applications on the client, improving system maintenance efficiency. The alumni management system can choose to use DREAMWAVER for web design, ASP technology for database and other program interaction, and MS SQL Server as the database server to complete the development and implementation of the entire system.

2.3 Operation and Maintenance of Alumni Management System

2.3.1 System Support

The alumni management system is designed based on computer software copyright of the National Copyright Administration. Personnel registration and function expansion can be performed. On the basis of existing graduation alumni, school students and teachers registration, the rapid accumulation and management of internal professional data can be further expanded to achieve effective linkage between internal members and professional data.

2.3.2 Personnel Security

The college can hire relevant professionals to regularly maintain the alumni management system and solve related technical problems. In addition, the collection and collation of information resource data is the responsibility of the students in the school. These students are members of the alumni management system, have the qualifications to register and participate in the management of the alumni management system, have practical experience to improve the effect of extracurricular learning, and have early participation in the management of the alumni management system.

2.3.3 Alumni Support

Since the formal operation and promotion of the alumni management system, it has been recognized and supported by alumni. At the same time, some alumni have also participated in the construction of the alumni management system. On the one hand, it provides the industry's latest developments, market conditions, research data and other information resources; On the one hand, we actively cooperate with the leaders of the college, and each outstanding alumnus or alumna serves as an off-campus tutor for 2-3 students, helping students to better understand the major of study and eliminate the confusion of professional direction.

3. Construction of College Extracurricular Learning Platform Based on Alumni Management System

3.1 Build Ideas

The construction of university extracurricular learning platform based on alumni management system requires the joint support of multiple parties. For college students' extracurricular learning, the system mainly designed three sections: "Alumni Communication", "Public Information Library" and "Information Center". "Alumni Newsletter" communicates with other members in the form of text messages. Each member can upload learning materials, postgraduate information, civil service information, and qualification information to a "public database" for sharing with others. The "Information Center" section releases the latest industry trends and market demand. In the process of system construction, the college provides academic records of alumni and students over the years and imports them into the alumni management system. The system administrator uses the student ID or work ID as the account number and a unified password to provide private alumni and teachers

and students Accounts, each member entering the system for the first time needs to change the initial password and further improve basic information, such as work location, contact information and photos.

3.2 System components and Functions

3.2.1 Alumni Newsletter

In the alumni communication section, the system administrator divides all members into alumni groups, teacher groups, and graduate alumni groups. The alumni group and graduate alumni group are re-classified according to majors and classes. This helps to quickly understand the basic situation of each group. At the same time, using the alumni communication search function, enter the target object in the search bar, you can quickly retrieve the target Student ID, work unit, contact information, online status, etc., and can contact them by text message.

For students who are studying in universities, the basic information in the alumni communication section is added with an "out-of-school tutor" column. The off-campus tutors are excellent alumni who are engaged in this profession and have a certain reputation in the industry. The purpose is to better enable college students to use the alumni management system during the extracurricular learning process, to facilitate communication with external tutors, and to keep abreast of the latest developments of external tutors. On the one hand, alumni can set an example for students and bring an encouraging effect. On the other side, through the teaching mode of teachers on the theory in the school, and the teaching experience of external mentors, to promote students' understanding of the profession, and to visit the enterprises of the external mentors offline to achieve the purpose of cognitive practice teaching, allowing students to understand their own professional career in the future. A clear overall understanding of the status quo and future development [5].

3.2.2 Public Database

The public database is classified according to different majors. Each section is composed of "learning", "graduate entrance examination", "examination certificate", "examination of civil servants", etc. The "learning" part includes course theory learning, software use teaching, case sharing Relevant information and recommended books. Due to the large number of alumni and most of them engaged in related industries after graduation, if everyone provides a small amount of relevant information, their resources are also very rich. The theoretical study of the course is mainly based on video materials and lesson plans taught by teachers over the years. Students have knowledge points that they have forgotten or did not understand during class learning. You can use this section to review after class and deepen the understanding of knowledge points. It can also achieve the role of a preview course; in addition to teaching videos, software usage teaching also includes software download links and software function introductions, which helps students to quickly download, install, learn and apply software directly, improve learning efficiency, and avoid software problems. Affecting professional course progress; case sharing includes industry classic case analysis and design drawing models, etc. These cases help students to consider issues more comprehensively, less detours in future employment, and also provide case materials for teachers' professional courses, related Design drawings and models can also give students inspiration in scientific research competitions; related materials include industry standards, legal documents and other materials; books recommended by good books are recommended by each alumni, and the system administrator collects them on the Internet then upload it to the system, through the sharing of alumni. So that every student in the school to increase the amount of reading, broaden their knowledge, improve their comprehensive ability.

3.2.3 Information Center

The information center is mainly composed of unit information, industry trends and internal forums. Unit information includes college information and alumni association information, basic introduction to the situation of the college and alumni association, school rules and regulations, alumni donation, etc., to deepen students' understanding of the college and alumni association, and

cultivate students' affection for their alma mater, constantly maintain and sublimate, let emotions play a resilient and durable role in alumni management; industry trends include news and industry information. News dynamics allow students to better understand domestic and foreign affairs and broaden their horizons. Industry information can cultivate students' sensitivity to professional dynamics very well. In future work, they can quickly and adequately prepare in advance in a changing industry environment; internal forums can promote student communication with teachers and alumni. It not only solves the problems of students' professional study and employment direction to a certain extent, but also solves the problems of life and emotions. Through the alumni's posting of the impact of information news on the future of the industry, students can further understand the development and influencing factor of the domestic industry.

4. Conclusion

At present, the alumni management system is still maturing and improving. With the continuous development of the alumni management system and the continuous deepening of university teaching reform, the functions of extracurricular learning platforms based on the alumni management system will become more and more abundant, and will interact with classroom learning to produce complementary advantages. Cultivation and industry awareness of personalized extracurricular learning lay a solid foundation.

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