



Research on Industry-Education Integration and Project Management Information System Based on Higher Vocational Education

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Abstract. China's project management information system involves many aspects, with the reform of education, more and more efficient in the project management system and the integration of industry and education [12]. Because there are many differences between vocational colleges and universities in many teaching equipment and resources compared with ordinary colleges, so in the project management information system, we have a large registration workload of the student population, and the information system of the management platform will collapse because of the data, and there are many hidden problems in the system. Taking the road of integration of industry and education is the fundamental road for China to build modern vocational education, and it is also an important turning point in the reform and development of education in many colleges and universities, and at the same time, it can improve the teaching quality and teaching strength of China's colleges and universities in educational institutions. Therefore, the integration of higher vocational education is aimed at the applicable types of colleges and universities, but also to all colleges and universities and urban construction planning and industry design. Of course, the integration of industry and education has become an important influence of our country's education industry, and the success has affected its quality of running schools and market competitiveness, so we must fully learn the significance of the integration of industry and education, find out clearly its key and difficult points and where the key points are, and then look for breakthroughs to further promote the major influence of industry-education integration. This paper studies the scheme based on the integration of industry and education in higher vocational education and project management information system with great practical significance [5].

Keywords: Higher Vocational Education · Project Management System · Integration of industry and education · Efficient and innovative

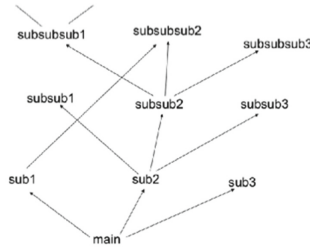
1 Introduction

College teaching industry-education integration and project management information system to determine the establishment of the program, the construction project management information system will involve a lot of related knowledge areas, it is indeed

Modularization

• Deep → Modularization

Don't put everything in your main function.



<http://rinuboney.github.io/2015/10/18/theoretical-motivations-deep-learning.html>

Fig. 1. System scheme flowchart

very complex in the construction process, according to the teaching situation of higher vocational colleges, we can know that the current stage of the university in the teaching quality of the gradual decline, the continuous decline and the problem of low efficiency is prominent in people's sight. When using the project management information system, it can standardize the attitude of teachers and students, and can also help colleges and universities to create a learning atmosphere for students, and promote the teaching reform of colleges and universities [6].

If we want to build a complex system, the first premise is to determine a clear plan, first of all, we need to build a goal, this goal is about the university to establish a project information management system, in order to be able to improve the informatization, networking, and standardization of teaching. Therefore, when building the system, the builder should determine the object of construction, can not blindly choose, ensure the target module of the system, and ensure that each module in the system can improve the student's academic performance, so as to promote the student's enthusiasm for learning. Secondly, in order to determine a good plan, it is necessary to determine the use time of students and the system used, and the framework of the entire system can be constructed in order to implement it more effectively. Therefore, in order to show the good system to teachers and students, it is also necessary to make the tools that are most in line with the use of teachers and students, and determine the program of the entire system according to the simultaneous requirements of teachers and students, so as to facilitate better teaching reform in the future teaching process to promote the level of teaching. See Fig. 1 [7].

2 Determine System Functionality

According to the current situation of the reform of the higher vocational teaching system, after a whole analysis, it can be understood that the current teaching methods of higher vocational teaching are too old, and the efficiency of teaching is also very low, which requires colleges and universities to pay attention to and come up with corresponding methods to solve this problem, because these problems have seriously affected

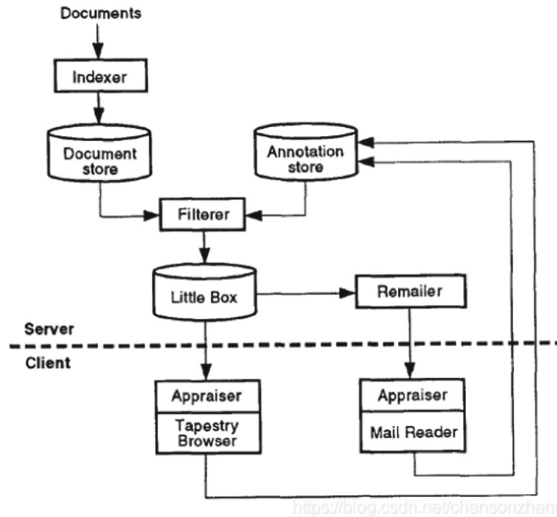


Fig. 2. Schematic diagram of system functions

the development of teachers and students. Therefore, in order to solve this problem is the main way to build the information system of the construction project, so after the overall plan is not determined, it should be determined to determine the basic functions of the system, so as to ensure the harmony between teachers and students, and witness the common development and growth of teachers and students [13].

In response to these problems, some schemes are set up, as follows: First, when setting up the corresponding data system, the data should be divided into basic data maintenance modules, which contain the classification of projects and the management of projects to ensure the normal use of these data. Second, it is necessary to establish a project declaration management system, which will include the declaration of management personnel, the declaration of project content management and the review of the type of declared project, etc. This system is to report a work arrangement and work content to the superior management personnel. Third, you can establish a project review management system, which mainly includes the management of project review indicators, the management of the project classification system, the setting of a professional personal information management, etc., based on the establishment of these functions can help our higher vocational colleges and universities to greatly improve the teaching effect of teachers, help students have a better environment to learn, better ways to contact good learning knowledge. This is shown in Fig. 2 [14].

3 Determine the Database Technology to Be Established

Project management information system is the need for management personnel strong technical ability, the establishment of the management system is based on the Internet to achieve, the efficiency and convenience of the Internet to the project management information system has brought a lot of favorable aspects. Because there are many users

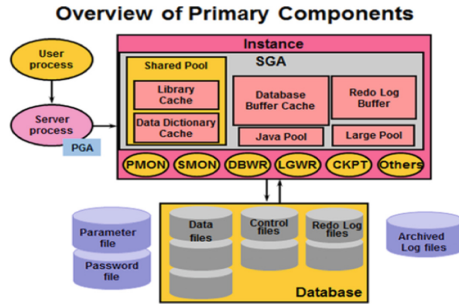


Fig. 3. Architecture of database technology

of vocational colleges and universities, their use is huge, so in the construction of data need a professional Microsoft SQL service as the main database server of the project management system of vocational colleges, it brings great influence, can be determined by the good system functions to carry out the connection between each system [11], after the establishment can ensure the establishment of the project management system. After the establishment of the normal use, the establishment of the project information management platform is based on the connection between the server and the database, the use of modern program software to achieve, in order to achieve the establishment of project management information system, first of all, we must pay attention to whether there are hidden dangers in the information management system platform, once the security problems of the information management platform appear, the corresponding operation can not be carried out [8].

The use of information security technology is the point to be paid attention to in the project management information system, first of all, the project information system contains the personal information of each registered user, once the system crashes or even the occurrence of information security problems, then the entire vocational colleges and universities will be seriously affected, the leakage of information will lead to the insecurity of personal information, will be used by people with hearts, so that there will be immeasurable errors. Secondly, the project information security users need the user login verification code and user account security is a very important information for the user, because this information back to the user's mobile phone number, mobile phone number will be bound to a lot of identity authentication, if the information security technology is not rigorous, all members of vocational colleges and universities will have personal property security problems, will make them become panicked. Finally, the remediation of the system needs to be taken seriously, regular security maintenance and verification, and backup of the data of the system and related data, which are very necessary. There are project data and personal information of all teachers and students in the project information management platform system, and managers need to ensure the security and stability of system data when implementing the project management system, so as to ensure the smooth progress of teaching in vocational colleges and universities. See Fig. 3 [4].

4 Breakthrough Points in the Integration of Industry and Education

The breakthrough point of promoting colleges and universities to take the road of integrated development of industry and education is still the reform of the evaluation method, which does not accept any rebuttal, and it is necessary to truly take applied technology as the entrance of colleges and universities, mainly to evaluate the strength of colleges and universities, only in this way is the correct way to correct our learning attitude and the attitude of running schools, because this will make colleges and universities continue to pay attention to rankings. We all understand that the vast majority of colleges and universities are not used in theoretical knowledge, if not from this aspect of scientific research, it will be difficult to publish academic topics, if according to the ranking, there will be a lot of basic scientific research theory, and this will not match its school positioning. From the perspective of the overall ability to run the school, they are engaged in applied scientific research and scientific research to play their own strengths. If everything follows the old way, it is an unwise choice to seek the near and the far, and to use the short and avoid the long [9].

Colleges and universities use applied scientific research is the real way to improve their own school-running strength and school-running level, engaged in applied scientific research can not only solve some practical problems faced by universities, so that colleges and universities will be solved after the corresponding sweetness, but also can provide an economic pillar for teachers to improve their teaching level. Because with the rich teaching content will make more students willing to learn, to experience the joy of knowledge, is conducive to cultivating the true strength of students, so that students' ability to innovate and start a business will also be greatly improved, will promote a stronger level of running the school, attract more enterprises, and unite colleges and universities to carry out "school-enterprise cooperation", which will promote a good cycle and will not let students' good resources flow away [1].

From this, we can know that it is very difficult for local colleges and universities to develop to applied scientific research, and they first need to correct their attitude and atmosphere of running a school, not to pursue the level of running a school at the beginning, not to blindly chase the wind, to do everything in a down-to-earth manner [15], and every link needs a footprint. The education authorities should also cancel the bad university rankings, and they need to show positive energy events, encourage colleges and universities to change in the direction of local social and economic development needs, and truly move towards a good path of development. The original can be cleared. Colleges and universities need to overcome these vanity mentalities in order to truly follow the path of social and economic construction. Whether a university succeeds in becoming a prestigious university is based on whether it serves the ability of socio-economic development, rather than on the so-called ranking. All in all, a prestigious university is respected through the value of social contribution, not against the rankings of its colleges and universities [3].

5 Conclusion

According to the overview of this paper, the study of the integration of industry and education in higher vocational education and project management is an essential purpose. According to a series of analysis of the teaching situation of modern colleges and universities: it can be known that the project information management system in higher vocational colleges has some bad problems, in order to improve the teaching level and teaching policy of higher vocational colleges [10], it is necessary to have a clear establishment plan, determine the function of the system and the database and technology used, and hope that higher vocational colleges and universities can make corresponding changes to help colleges and universities integrate teaching industry and education, thereby improving the teaching project management level and results of higher vocational colleges [2].

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