Collaborative Innovation of Project Practice Management Platform

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Abstract. College students lack of practical experience in today's society. Theoretical knowledge from learning of school is greater than the practical operation and students can't make full use of learned knowledge after entering enterprises and the government. In this situation, utilizing network information has become an important and urgent task which can enhance the practical ability of college students. Collaborative innovation college students training project management platform uses JSP of popular SSH framework and mainly fuse the depth of the training requirements for college students by institutions of higher learning, enterprises and government. And it can cultivate information management of talent who possess both theoretical knowledge and practical ability.

Introduction

In this social background, first of all, the current college students are facing difficulties in employment. Secondly, the curriculum update rate of university is slow. Finally, universal students are limited to textbook knowledge and lack of practical ability for the present state of education.

Training management platform is one of the important ways to improve college students' practical ability. The platform provide students with practical training programs to share resources and mutual cooperation services in order to achieve the maximum advantage for colleges, universities, enterprises, government and scientific research institutions. Therefore, the collaborative innovation project management platform of design and development in thesis is an integrated project management platform, which provides an effective and feasible solution for the college students' practical training.

Feature Aggregation of Platform

The training platform use the development of technology which based on the SSH framework and method that utilize the PBL [1]. And MySQL store data in database system.

The use of the Internet to carry out practical training for students is the basic research direction of the system and the PBL applied to the network training. Collaborative innovation of project management platform is divided into the foreground training display and operation system and background managing information system. On the one hand, the foreground project contains student training program on the query browsing (training news, enterprise training
show, the display of bulletin board), student registration and real-time interaction between teachers and students. On the other hand, the management of students' training is made up of teachers, enterprises, governments and research institutes in the background of the system. First of all, companies apply for the release of training programs. Secondly, governments conduct research for market demand for enterprises, followed by commission research institution to select training project and propose internal innovation. Finally, governments provide more effective publishing of projects. The training program is implemented by the teachers who resolved into the project including three stages of early, mid and late in the institutions of higher learning, and then students that apply for training will be divided into groups, so that training successfully on the right track.

**Systematic Proscenium Show**

The important information of the homepage includes the module of the practical training project released by the enterprise, the training-related announcement, the real-time news module, the management regulation module, the operation instruction module, the teacher-student interaction module, the student exchange and the user login module. Registration is divided into government, enterprise publishing personnel, research institutes, technical personnel, school teachers, students and administrators five permissions. Login role is different from the specific operational control rights.

**The Role of the Government**

The release of government macro-control projects plays a leading role in collaborative innovation project management platform. The government entrust the institute’s innovation report to determine whether the enterprise application of practical training project is feasible according to the program issued by the enterprise in combination with the current business needs of market. Namely, the function of the government module: designate the relevant scientific research institute, submit the enterprise training needs report, confirm and issue the training project.

**The Function of the Institute**

The institute, a research institution, is commissioned by the government of the training project on scientific research, and then institute not only require evaluation of training projects, but also submit the project innovation report to determine the feasibility of the project. The technical staff can also log on student training and comment on the situation by communicating with students.

**The Role of the Enterprise**

The purpose of training is to cultivate students into the community needs of the talent; that is practical hands-on ability of students. Enterprises directly link to the market and can provide market information according to market demand to release training projects. Enterprise functions cover management training program, evaluation of student training results and real-time communication with students.
Enterprise staff can be real-time tracking with the training students to communicate. It is worth noting that the interaction between the team and the instructor is different from the exchange within the group attributing to more guidance and consultation in teacher-student communication. Group of students and the interaction between instructors, which is similar to some chat tools on the network, is the one-on-one exchange.

**The Modular of Teacher**

Teachers can manage the training project, evaluate the training project, track the students' training situation and communicate with the students in real time. Teachers can break down large-scale training projects including early, middle and late three stages. And in view of team spirit in any projects, teachers can divide into group for training students according to their learning ability and effectively guide students to successfully complete the training project. Once the student successfully apply for a group, the teacher can assign tasks to team members on the network, determine the task time to ensure the group’s regular communication. Teachers can not only communicate and evaluate with the training students, but project can also be estimated by them.

One of the functions shared by schools, enterprises and research institutes is the additional resources. The three parties have different information learning resources for one training program, which can supplement the other's needs. The school is the holy place of personnel training, and enterprises and research institutes is the need for talent. The tripartite understanding between the project and resources to master the information will have different places. The purpose of this can be a step towards collaborative innovation to complete the school Business research institutes of the tripartite integration, and ultimately improve the platform for the construction of resources to effectively ensure the smooth implementation of student training activities.

**Student Module**

Students who are training in the project need to apply for the training project. If they are approved by the teacher, they can actually enter the training following group successfully applied. Student module function contains project information inquire, application of project practice and communication between teachers or groups.

In the early stages of the project, students need to learn the basic knowledge of the program and the environment configuration of the computer. You can view the training program, download the shared resources to learn, fill in the pre-training log and summarize pre-training results. Mid-term is the most critical link, and students follow the professional guidance teacher training, complete the progress, and finally fill out the medium-term training log. The latter part of the entry is basically completed on behalf of the training. One need for a summary of the entire training process and submit an on-time post-training log. Finally, students can submit a report relating to a comprehensive evaluation of the training program.

Students can communicate with group participants or teachers during the training period. The communication of group members can cultivate students’ sense of teamwork and inspire the creative thinking, and thus promote the mutual learning and common progress of the students, so as to effectively promote the work efficiency of the training project. Group internal staff can explore the relevant knowledge of training programs similar to the forum. As long as one person
within the group release information posts, all other members can reply to feedback information to ensure the timely exchange of information resources and sharing.

**System Managing Person Module**

Project administrator, the largest user of the project, not only can be added to the published training project management, but also can manage on the front page of the dynamic training news and announcements.

**Summary**

Based on collaborative innovation project management platform, the school can meet the needs of training of college students, and develop the university talents to complete the task of collaborative innovation. The completion of training can be used as the next training guidance, so that the project can be developed in a highly efficient way. Users in this innovation project management platform can clearly operate, with innovating and making progress in the government, research institutes, businesses and schools. The project not only enable students to participate in the training program that they want to have a keen interest in, but also can improve their professional knowledge and practical ability to join in training projects. Management platform of collaborative innovation project plays an important role in the teaching process, which is conductive to the combination of theory and practice of students according to cultivate talents needed in the community.

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**References**

