Research on the Application of Computer Technology in Innovation and Entrepreneurship Education

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Abstract. With the promotion of mass entrepreneurship and innovation strategy, University Innovation and Entrepreneurship (hereinafter referred to as IAE) has become an important research topic, which will improve the IAE ability and management level of college students. Computer technology has been used in medical practice, military training, entertainment games and other fields. In the field of education, computer technology has a wider application and influence, such as VR technology. VR technology application can meet the requirements of situational and interactive, which can be applied to IAE education. Based on the characteristics of College Students’ IAE development, this paper develops a system suitable for college students' IAE project management, which will be better applied to the application of College Students’ IAE education. First of all, this paper puts forward the necessity of the application of computer technology in IAE education. Then, this paper designs the related construction requirements. Finally, some suggestions are put forward.

Keywords: Computer Technology, IAE Education, Project Management System, Application

1. Introduction

In the IAE education, computer technology has a very considerable application prospect. Students can use computer technology to systematically learn knowledge, such as VR technology. In the education of IAE, some described phenomena can’t be reflected in real life, which requires us to describe through VR technology. Through VR technology, we can show students real learning materials. For example, when learning geography, VR technology can show the scene of the Arctic [1-3]. In learning physics, VR technology can show nuclear fusion, nuclear fission, protons, neutrons, etc. In learning, IAE, VR technology can show the growth and development of projects. Through computer technology, we can increase students' interest in learning, which is conducive to students’ better ability to increase IAE. VR technology can simulate the hypotheses put forward by students, which can directly see the results [4-6]. VR technology can not only stimulate students' innovation, but also cultivate their creative thinking.

2. The necessity of integrating computer technology into IAE Education
2.1. The needs of national development
College students must strive to improve their own IAE, which will cultivate their practical ability. For a country, innovation is the soul of a nation's progress, which is an inexhaustible driving force for the country's prosperity. In the new era, computer technology is the inevitable choice of all walks of life. Therefore, college students must be aware of their mission and responsibility, which needs to constantly cultivate their own innovative spirit and practice ability. IAE teaching can promote the rapid development of China's computer technology, which can effectively enhance the comprehensive national strength of our country.

2.2. The needs of social development
It is necessary to integrate computer technology into the teaching of IAE to adapt to the reality of social development. At present, all walks of life are in rapid development, we must actively develop students' IAE. By cultivating students' practical ability, colleges and universities can effectively meet the needs of social development. Innovative computer technology talents and practical talents can effectively promote enterprise innovation, which will help enterprises achieve sustainable development. Therefore, colleges and universities should actively cultivate students' innovative entrepreneurship and practical ability, which can continuously develop and optimize various industries in China.

2.3. The need for personal promotion
Through the integration of IAE teaching with computing technology, teachers need to constantly inculcate the concept of IAE to students. Therefore, the spirit of innovation is an important prerequisite for entrepreneurship, and entrepreneurship is an important guarantee to cultivate students' innovative spirit. Innovation spirit and entrepreneurial ability are indispensable. Through participating in certain practical activities, we can effectively promote college students to cultivate their own innovative spirit. The spirit of innovation is inseparable from the accumulation of experience in practical activities, which requires the effective combination of innovative spirit and practical activities. Through the cultivation of modern senior innovative talents, colleges and universities can promote the development of our society, which can also comprehensively improve the ability of students.

3. Management system design of IAE Education

3.1. System function module design
Through computer technology, this paper constructs the IAE management system for college students, which can clarify the main body in the process of IAE. Through this system, we can make the IAE education achieve the goal of standardization, standardization and monitoring. According to the demand analysis, this paper determines the main functions of IAE education management, which are implemented by five modules, as shown in Figure 1.
3.2. Entity object design

Through a comprehensive analysis of the entity objects required by the system, we can determine eight entity objects, corresponding to administrator, project application, project applicant, project reviewer, new project entity, old project and project publisher. A project applicant can have multiple team members, and one member belongs to a project application leader. At the same time, the system administrator is responsible for managing all project reviewers, project applicants and project publishers. The relationship between the entities is shown in Figure 2.

Figure 2. Entity object design.

3.3. Topic selection process

College Students' IAE system needs to log in with user name and password, which can be imported by the administrator, teacher name, job number, student name and student number. Project topic selection management is an important part of the system, which is also one of the keys to the successful completion of the project. In order to ensure the fairness of project selection, this paper designs the selection process of project setting, as shown in Figure 3.
3.4. Project process management process

The students submit the project proposal report, and the project starts after the supervisor's approval. In the middle of the project, the college will organize the mid-term inspection, and the students will submit the interim report to the college for examination and approval. During the closing period, students submit the closing report and related materials. After the tutor's approval, the college will conduct a unified pre-examination, and can participate in the final defense only after passing the examination. The process management flow of the project is shown in Figure 4.

4. Conclusion

IAE is an important way to improve the practical ability of undergraduates, which is an important link in the teaching work of colleges and universities. This paper designs and implements the IAE management system for college students, which changes the traditional manual management mode. The management of the new system is more scientific and transparent, which facilitates the use and supervision of teachers and students. College Students' innovation management system makes full use of the latest database management technology, which realizes the main functions of IAE project management, project release, project application and so on. At the same time, the system facilitates the
application personnel to view the release and progress of the project, which improves the management efficiency of College Students' innovation projects.

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