

Research on Innovative Mode of Computer Education in Higher Vocational Colleges in the Era of "Internet Accelerated Speed"

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Keywords: Internet Accelerated Speed, Vocational computer, Teaching model innovation

Abstract. Computer science is an important part of higher vocational education system in our country, and in the development of the computer professional technology, driven by "+" Internet era under the background of higher vocational college computer education mode needs to be further means of innovation and optimization, to help develop a new era of comprehensive capability, high professional quality computer professionals, provide power for social development. Therefore, this paper briefly analyzes the development of computer education in higher vocational colleges, expounds the direction of its educational model reform, and puts forward specific educational model innovation and reform strategies.

Introduction

Under the promotion of social demand, the computer major in our country has been developing continuously, and its requirements on the quality of talents are also improving constantly. Therefore, it is very necessary for the development of higher vocational colleges in our country to effectively train high-quality computer professionals. Under the background of "Internet +" era, promoting the innovation of computer education mode in higher vocational colleges in China can improve the quality and efficiency of training computer professionals, change the previous educational concepts and teaching methods, and innovate the training means of vocational education. At present, the talent training mode of higher vocational colleges in China is mainly based on the combination of production, study and research, order training and employment orientation. However, under the background of "Internet +" era, the above three training modes gradually show their limitations, which are not conducive to the cultivation of students' professional quality. Based on the needs of social development at the present stage, it is of great practical significance to carry out effective research on the computer education teaching mode in higher vocational colleges to improve the professional level of computer in China and the training quality of computer major in vocational colleges.

1. The significance of computer major in higher vocational education integrating innovation and entrepreneurship

Innovation and entrepreneurship education in colleges and universities should be integrated into the professional training system and carried out in the whole process of talent training. With the rapid development of computer network, the teaching effectiveness of computer specialty in higher vocational colleges should be promoted. The school should integrate the education concept of innovation and entrepreneurship into students' curriculum planning and practical guidance in various aspects. In general, this has several implications: (1) To promote the all-round development of students, enhance students' adaptability in the socialist market economy, give full play to students in the learning process of innovation to create consciousness, and encourage students to study independently. (2) To improve the employment rate of students, help students better adapt to the job, find their position in the competition according to the emerging new positions and new working methods in the market, so as to promote the comprehensive development of students and improve the employment rate of the school. (3) To cultivate compound talents for the society, so as to fully unleash the vitality of the socialist market economy and inject new impetus into the development of the socialist market economy.

2. Countermeasures to integrate the concept of innovation and entrepreneurship education into the computer major of higher vocational colleges

2.1 Clarify the key points of computer major training in higher vocational colleges

First, computer teachers in higher vocational colleges should grasp the key point of innovation and entrepreneurship education reform, make an in-depth analysis of the logical origin of the reconstruction of teaching methods, and master the difference between higher vocational education and general education. The computer teacher of higher vocational college, always around the student's skill education, develop the modern computer specialty teaching. Second, the computer professional teachers, to clarify the higher vocational college talent, is always oriented to the position in

training. Therefore, in the process of teaching, the computer theory teaching and computer practice teaching should be fully integrated together. According to the job requirements and skills of the post, we will guide students in innovation and entrepreneurship education. Third, the teacher not only to innovation entrepreneurship as a means of additional work, into the students' employment choice, but also in the process of teaching, is to develop the creative thinking of the students, improve the students' innovation ability, innovation entrepreneurship as a kind of talents training target, the current teaching methods into the school change, and upgrade the process of teaching evaluation system. Schools and teachers should work together to create an environment conducive to innovation and entrepreneurship for students.

2.2 Change the teaching concept to carry on the comprehensive innovation

On the one hand, the school should optimize the position gradient of the computer major, and optimize the content according to the four gradients of teaching, expansion, innovation and entrepreneurship. For example, network engineer and website design and production engineer in the computer major belong to the main position, grade 1 teaching gradient, network planning designer and e-commerce platform project manager, belong to the entrepreneurial position, grade 4 teaching gradient. In the process of curriculum design, the school should always focus on the development and change of the market and the actual needs of students to create a reasonable teaching gradient with stages and gradual progress, and set reasonable course content and course time according to the specific teaching objectives of each teaching gradient. On the other hand, the school should divide the teaching courses into four levels: popularization of knowledge, innovation and entrepreneurship, strengthening of practice and personality development. Optimize the skill range of specialized courses. Improve the proportion of practical courses in teaching, expand the scope of elective courses, and use general courses to lay a solid foundation for students' innovation and entrepreneurship.

3. "Internet +" era of higher vocational computer education model reform

3.1 Establish scientific and reasonable computer courses

Under the background of "Internet +" era, the reform and innovation of computer specialty education mode in higher vocational colleges need to establish a scientific and reasonable professional teaching curriculum system, lay a solid foundation for the development of education and teaching activities, and provide comprehensive basic guarantee. In implementing the computer specialized curriculum system in the process of building, need to change the above all is in the past a single way of teaching curriculum, the diversification of curriculum content into talents cultivation in higher vocational colleges, fully meet the needs of present computer professional students learning, enhance the computer professional teaching level and teaching efficiency. Under the background of "Internet +", the curriculum system of computer major in higher vocational colleges needs to integrate practical contents into teaching activities on the basis of previous theoretical teaching, realize the establishment of a teaching system that integrates theoretical teaching and practical teaching organically, and simultaneously improve the practical ability and theoretical knowledge of computer major students. In addition, according to the modern social development demands to computer graduates in higher vocational colleges, teachers in the process of building computer specialized curriculum system, should also be further use of the Internet technology, through the way of modern computer related knowledge into the curriculum system, improve the effect of computer professional teaching, enrich the teaching of vocational college computer professional training resources, combining the actual requirement of students at the same time, targeted to improve computer specialized curriculum system constructing.

3.2 Scientific establishment of computer professional education practice base

The Internet society has put forward the requirements of cultivating students' innovation ability in the teaching of computer major in higher vocational colleges. In the teaching practice, it is necessary to update the teaching model and change the teaching concept, so as to make the students cultivated in higher vocational colleges better adapt to the needs of social development and meet the actual needs of the society. Traditional computer major in higher vocational colleges cultivate pay more attention to students' mastery of the knowledge of classroom teaching, on the actual effect of teaching is out of the current situation of the development of society, students' mastery of the knowledge in theory and practice ability has been disconnected, hindered the "+" Internet era under the background of application-oriented personnel training development, is not conducive to the realization of computer professional education in higher vocational colleges cultivate. Therefore, based on the background of "Internet +" era, the teaching of computer major in higher vocational colleges can scientifically build the practice base of computer major education through strengthening school-enterprise cooperation, laying a foundation and guarantee for the practical teaching of computer major training. Through the education practice base establishment in higher vocational colleges, the student carries on the practice training opportunities will be increased, the realization of the computer teaching in higher vocational colleges have may, on the theory of single teaching form before reform and innovation, the practical ability of students and professional quality will get better training, plays a positive role for students' future development.

3.3 To implement modern educational and teaching methods and models

Computer professional teaching reform in higher vocational colleges, also need to actively change the education teaching methods and means, in the "Internet +" era background, use advanced and scientific education teaching methods

and training of computer professional teaching innovation, improve the quality and efficiency of education and training, to the traditional teaching way before a thorough innovation and reform, make its can more adapt to modern development trend. In the process of reform of higher vocational college computer professional training on teaching method innovation, first of all need to make changes in terms of theory knowledge teaching, will ever single knowledge infusion teaching methods, into a diversified, more interactive classroom teaching form, and through the use of multimedia teaching equipment, vivid display of computer professional teaching content, prompting students can more directly and objectively the knowledge content, improve the classroom teaching efficiency. At the same time, through the application of modern teaching methods such as cooperative teaching method and situational teaching method, teachers should further help students internalize knowledge content and effectively improve the teaching efficiency of theoretical knowledge. Second, through the reform of practice teaching means and teaching model, under the background of "+" Internet age also actively promote the students' practical ability, the practice of effective learning platform and opportunity for students, using the Internet to create a virtualization practice learning environment for students, encourage students to carry out effective autonomous practice operation, during operation to ensure practice quality can be improved, and improving the quality of higher vocational college computer professional teaching.

3.4 Effectively create a computer teaching sharing platform

In fact, the establishment of computer teaching sharing platform is to break the limitation of time and space of computer teaching in traditional higher vocational colleges through the application of modern science and technology, so as to provide a more effective and open teaching environment for students' vocational skills learning. By creating a platform of sharing the higher vocational college computer professional teaching, teachers can more easily to carry out the network curriculum teaching, or by way of integrating all kinds of education teaching resources, rich computer professional learning materials will be uploaded to the sharing platform of teaching, the students by their own account login, you can direct access to these teaching materials, to student's learning computer professional help. In addition, through the computer professional teaching platform, students' learning status, learning problems can be timely grasp the teachers, such as through the network teaching platform of teaching evaluation, students' actual learning situation can be captured, and teachers based on these data, can be more targeted to change teaching contents, teaching methods and teaching schedule, and ensure that vocational college computer professional teaching can meet the learning needs of students, promote students' comprehensive quality of ascension.

Conclusion

Under the background of "Internet +" era, modern society has increasingly high requirements on the quality of professional computer talents. Driven by the reform of vocational education, the development of vocational education in China has gradually achieved remarkable results. But the social environment is in the process of constant change and development, through the higher vocational computer education model innovation research, can effectively improve the quality and efficiency of China's computer professional teaching, promote China's higher vocational computer education cause further development.

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