

Exploration on Teaching System Reform of Computer Network Technology Specialty in Higher Vocational Colleges

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Abstract: At present, our country has made great achievements in the field of computer. At the same time, the network has covered most parts of the country and realized the information network. Because of the great difference between higher vocational colleges and ordinary colleges in the nature of running schools, their teaching objectives and teaching plans are quite different from those of ordinary colleges and universities, but higher vocational colleges are not the mapping version of ordinary colleges and universities. The specialty of computer network technology in higher vocational colleges should have more practical ability of computer and practical operation ability. This requires higher vocational colleges to innovate their teaching system in view of the current situation of computer network technology specialty, and to explore, analyze and study their teaching ideas, teaching methods and teaching methods, so as to ensure that they can cultivate talents suitable for the needs of society and the market, further improve the quality of teaching, and improve students' employment ability and practical operation ability.

1. Introduction

At present, the demand for high-quality talents of computer network technology is increasing in China's market and society. Therefore, computer network technology specialty has been established in Higher Vocational colleges. The direction and goal of training talents of computer network technology specialty in higher vocational colleges is to train students into comprehensive talents with higher network technology skills and basic knowledge of computer theory. At the same time, students majoring in computer network technology should be able to master programming technology, integration technology and network security and management technology. But in the actual process of education and teaching, there are many problems, mainly the old teaching content, the trained talents can not meet the needs of social development, the students' lack of interest in learning, and the theoretical knowledge can not be converted into practical operational ability. Therefore, it is necessary to put forward specific objectives for the above problems and the training of talents in Higher Vocational colleges. The reform strategy will eventually be able to fully establish the teaching system of informing the material number of the specialty and improve the teaching effect.

2. Constructing the Course System and Mechanism of Computer Network Technology Specialty in Higher Vocational Colleges

In the actual teaching process, students' ability to apply theoretical knowledge should be fully exercised and trained, and students' professional cognitive structure and cognitive level should be fully constructed and improved. At present, the study time of computer network technology specialty in higher vocational colleges is three years. According to the study time and characteristics of the subject, it is necessary to deviate the teaching contents from the basic abilities and qualities of the students, the operational abilities, the vocational adaptability and the comprehensive professional accomplishments. With the great influence of network technology on the economic development in

China, the demand for computer network technicians in China is constantly changing. The social demand for network technicians in higher vocational colleges mainly includes the following aspects: first, the basic quality requirements. The basic quality requirements of society and market for talents of this specialty lie in Ideological and moral quality, cultural quality, professional ability and physical and mental health quality, among which ideological and moral quality mainly includes that talents have good ideas, can abide by discipline and love the motherland, while cultural quality refers to the relevant theoretical knowledge of computer network and the future development prospects. All of them can have some knowledge, and the professional ability quality requires that talents must have the ability of computer operation, installation, establishment, website construction and maintenance, while in the physical and mental quality, talents need to have good physical quality to meet the national system standards. In addition, the basic competence needs of computer network technology professionals are mainly divided into two aspects: general basic competence and professional basic competence. Firstly, general basic competence mainly includes basic reading ability of English articles, translation ability of relevant texts, operation and use ability of computer system, communication ability with people and communication ability. According to the above market for the professional needs of targeted training and training, to ensure that students can further improve their professional competence and ability to adapt to the occupation.

3. Selection of Quality Textbooks

Textbooks play a very important role in the teaching process. A high-quality textbook can guarantee the efficiency and understanding ability of students in the learning process, and the textbook should be able to integrate with social needs and market demand. The theoretical knowledge in the content of textbooks is the current academic frontier theory, so the selection of textbooks must be able to reflect one. The trend of combining theoretical knowledge with practical ability. However, for the current higher vocational colleges, due to the differences in the level of teachers and teaching resources, there are great differences in the content of teaching and the degree of teaching. Under this background, we can use other tutoring materials to make up for the shortcomings of teachers and teaching level, and ultimately, we can make students' ability training reach the level of talent training in Higher Vocational colleges. Objectives and requirements. In the process of encouraging students to study independently, higher vocational colleges also need to encourage teachers and carry out teaching practice. In this process, problems in the teaching process are found, and these problems are corrected in time. New teaching concepts and textbooks are integrated, so that students can better accept new teaching materials and new teaching concepts.

4. Transforming the Teaching Method of Computer Network Technology Major in Higher Vocational Colleges

4.1 Enriching the teaching content

At present, in the teaching of this major, its academic dynamic frontier is constantly innovating, and the demand for talents in the market is increasing. Teachers are required to adjust and enrich the teaching content, and to mobilize students' enthusiasm and initiative into new teaching content. Through these new contents which are closely related to the society, students can be guaranteed to meet the needs of the society and the market in the process of being trained. They can further broaden their horizons, expand their knowledge, ensure that students can understand their professional knowledge and improve their professional abilities and accomplishments.

4.2 Reversing the Teaching Method

In the teaching process of computer network technology major in most vocational colleges, the traditional teaching method is adopted. To a certain extent, this method has a good role in standardizing the teaching system. However, with the progress of the times, it has become

increasingly unsuitable for the current trend of training new talents needed by the society. The major difference between this major and other majors is that the content of learning is updated very quickly, so students are prone to increase the difficulty of learning in the process of learning. At the same time, the teaching hours and time are limited, which leads to the incomplete teaching content in the teaching process, even in the final rush of classes, students learn theoretical knowledge and practice. Practical knowledge is not comprehensive, leading to a large gap in students' knowledge structure. At the same time, some teachers are lack of teaching ability, single teaching method and tradition, which lead to dull and tasteless teaching in the course of teaching, students' interest in learning is not very high, and ultimately affect the teaching effect.

4.3 Relying on the network platform to broaden students' knowledge

The current textbooks for computer network technology specialty in higher vocational colleges are out of line with the current academic frontier. Therefore, it is necessary to further enrich and expand students' knowledge with the help of network platform. At the same time, it is necessary to cultivate students' self-study ability, which can guarantee students' ability to solve problems independently and improve their quality. Teachers can guide students to construct their own knowledge framework through the network platform according to the content of teaching and the main characteristics of curriculum design, and further enable students to find problems in learning, research and analysis these problems, and finally come up with specific solutions to these problems. In the choice of extracurricular knowledge expansion, we should choose the popular and popular network technology. At the same time, we need to let students investigate according to the current academic trends, and write a summary and learning situation according to the survey. Finally, we can improve students' self-learning ability and constantly develop their knowledge.

4.4 Strengthen practical teaching and improve the ability of combining theory with practice

The major of computer network technology in higher vocational colleges shows strong practical ability, logical thinking ability and practical ability. In the course of teaching, students' practical computer operation ability can be improved through practical teaching training. The courses offered by higher vocational colleges mainly include server configuration, web page design, animation production and program design. At the same time, in the course of curriculum design, students should be able to carry out practical training, write reports, design and put into practice the actual teaching methods and steps, and ultimately improve the teaching effect.

4.5 Expanding the number of teaching methods

In the teaching process of computer network technology specialty in Higher Vocational colleges, students must be able to fully mobilize their initiative and curiosity to explore knowledge, so that they can better devote themselves to learning. In addition, through other ways, the original complex and difficult-to-understand theoretical system will be dismantled, the knowledge structure will be further refined, and finally these theories will be put into practice. Knowledge is internalized in the mind, which makes it easier to absorb and understand these knowledge, and through new teaching methods, such as guided teaching and situational teaching, it can promote the full application of theoretical knowledge to practical citation, mainly to connect and exercise the students' ability to master and understand knowledge, and to enable them to follow the new teaching methods. Different perspectives deconstruct knowledge.

5. Perfecting and Reforming the Teaching Assessment System

By adopting a new teaching assessment system, the traditional teaching assessment system in the past has shown a rigid characteristic, mainly for examination, and according to the usual results and test results, the final results are obtained. However, the teaching of this major is different from that of other majors. It requires students to master the practical operation ability. It is impossible to make a full investigation of the students' knowledge only by means of paper examination. Therefore, the

innovation and reform of teaching assessment are very important. Firstly, it aims at the majors that students need to master. With strong practical knowledge, group assessment should be carried out. By dividing students into study groups and allowing these groups to freely choose appropriate practical projects, students can complete these projects within a certain period of time, get the final results, and write summaries and experiences, so that each group can show and compare the results of the project together. And exchange the advantages and disadvantages of the project results to promote students' knowledge and learning level in the process of exchange and assessment.

The other is to take applied talents as the main training goal, and to adapt to the needs of society and the market, so we can carry out the "school-enterprise combination" to ensure that students can apply the knowledge they have learned in practice, through the completion of projects and tasks in enterprises to carry out specific assessment of students' performance, but also to a certain extent to promote. To enable students to understand and contact the most popular and widely used technology in the current market, and ultimately enable schools to know whether their own direction of running schools is adapted to the current trend and trend of social development, and according to the actual situation of students, their own direction of running schools and changes in the means of running schools.

Finally, we should be able to carry out vocational skills competitions in Colleges and universities, let students actively participate in the competitions, and finally select the best works to display in schools, through the works to show students' professional quality, through the awards in skills competitions to add points to the later assessment.

6. Strengthening the Construction of Quality Teachers

The construction of teaching staff plays a strong role in the future development of Higher Vocational colleges, and a high-quality teaching team has many excellent characteristics, such as creativity, innovation, professional teaching quality and higher overall quality. However, the quality of teachers in some higher vocational colleges is uneven, which has a negative impact on the development of Higher Vocational colleges. Therefore, it is necessary to build up a high-quality teaching staff in Higher Vocational colleges. The construction of high-quality teaching staff can be carried out mainly in the following aspects: first, to strengthen the construction of teachers' professional ethics and ethics, to further ensure that teachers have good psychological education and professional ethics level, and to further enable teachers to devote enthusiasm and passion to teaching; second, to improve the educational level structure of teachers and staff, and to teach. The professional accomplishment of the team is constantly improving. At the same time, in view of the situation that some teachers have high educational level but low practical ability, colleges and universities should carry out special training so that these teachers can improve their working ability. Finally, teachers should be able to actively participate in scientific research, and apply the excellent results of research to daily teaching. The research results can be in line with the development of the times. Such research results are quite suitable for application in teaching.

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