The Construction of Network Technology Teachers and Teaching Reform in Colleges and Universities in the New Era

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Abstract. How do network technology teachers face the problems in higher vocational education? Building a good personal image of teachers, comprehensively improving the professional skills of the mainstream network, strengthening the training of teachers' professional ability and improving the level of teachers' teaching and scientific research all contribute to the improvement of teachers' comprehensive ability, from the enrichment of lesson preparation resources, the use of information-based teaching methods, the cultivation of innovative practical ability, scientific curriculum assessment scheme, the integration of competition and teaching, the guidance of professional associations and after-school guidance, etc. On the one hand, it puts forward the requirements of teaching reform for network technology teachers.

Introduction

There are frequent riots in Hong Kong, and students' education fails to keep up with the current Internet age; college enrollment expansion indirectly leads to employment difficulties for higher vocational students, but short-term training can be arranged by training institutions; students are addicted to online games, learning efficiency is low, and teachers are under great pressure. There are problems in education, which put forward higher and higher requirements for higher vocational education. Teachers are the foundation of education, and teachers' morality is the soul of teachers. As teachers of network technology, how to deal with it?

Improvement of Teachers' Comprehensive Ability

The improvement of teachers' comprehensive ability and good teachers' personal image can give students a sense of beauty, enrich the communication between teachers and students, enhance the emotion between teachers and students, and improve students' interest and interest in learning professional courses. Teachers' appearance should be dignified, dressed naturally and dressed neatly; teachers' behavior should not be too casual, standing as loose, sitting as clock and walking as wind; teachers' good habits in classroom teaching will play a positive role in promoting teaching, calmly replacing anxiety, guiding instead of abusing; teachers' use of language and art will receive better teaching effect, and humor will make students Learning pressure is reduced so that students can think actively and enjoy themselves in the teaching environment. PPT and teaching documents have reasonable layout, clear arrangement, color coordination, and rich pictures and texts, which will reflect teachers' humanistic background and temperament and add points to teachers' personal image.

Vocational education is oriented by the employment of students, in the era of rapid changes in network technology and the Internet accelerating the transformation of network technology. Traditional network technology professional skill modules include basic protocol theory, switching technology, routing technology, multicast, MPLS VPN technology, voice technology, wireless technology and QoS Technology. At present, based on the traditional skill modules, some new network technology skill modules are derived, including data center technology, security technology, netdevops, cloud network convergence, SDN/nfv, network New skills modules such as
services and workplace development. How to train network engineers to meet the needs of enterprises, for network technology teachers, iron making also needs its own hard, so it is urgent to comprehensively improve their professional skills.

At present, many colleges and universities attach importance to the training work of university teachers and carry out various training measures, but the training effect is not ideal. In order to ensure the effect of teacher training, it is necessary to establish a special management organization, such as teacher development center. The teacher development center tailored training tasks and training plans for each professional teacher, assessed the effectiveness of teacher training through a scientific and perfect assessment mechanism, and established a reasonable incentive mechanism to promote the learning enthusiasm of participating teachers. Online training resources related to network technology are very rich. With the help of virtualization technology, the combination of online and offline is conducive to the improvement of training efficiency, which is a continuous long-term training method. The training of teachers is not limited to the improvement of professional level and skills. The training contents such as information-based teaching ability, classroom teaching reform and innovation, teachers' morality and style should also be paid enough attention.

The construction of characteristic specialty and brand specialty and the guarantee of education and teaching quality are inseparable from the work of teaching and scientific research. However, the teachers of network technology specialty are younger, most of them lack the ability of scientific research, lack the consciousness of innovation in scientific research results, and attach importance to teaching but less to scientific research Correct the wrong idea of low level and unattainable scientific research in higher vocational colleges, and fully realize the important significance of scientific research in promoting teaching work and improving their own professional quality. Combining with the most popular network technologies such as SDN, cloud computing, virtualization, information security, data center, etc., a teaching and research team is established to give full play to their respective advantages, help each other, jointly promote and jointly create professional achievements.

Classroom Teaching Reform of Teachers

With the rapid development of cloud computing, big data and other network technologies, the network technology tends to be incremental evolution, and the preparation resources are presented with a large number, high-speed and diversified characteristics. Online education websites such as MOOC, WeChat, Cisco Network College, Huawei network college, Ruijie Network University, etc., professional technology websites such as MOOC bus, siege lion forum, Meihe learning online, etc. all provide rich teaching resources for network technology professional teachers' lesson preparation. We carefully select pictures, videos, animations, cases and other materials that are suitable for our students' characteristics from a large number of lesson preparation resources, refine, process and integrate them, and enrich our teaching plans, courseware and other teaching materials.

It is imperative to make full use of information-based teaching methods and subvert the traditional classroom teaching mode as a professional teacher of network technology. Teachers should have the ability to design and record micro class videos, and be proficient in using network teaching platforms such as blue ink cloud, classroom school and rain class to serve classroom teaching. In the teaching design and the practice of information-based teaching or network platform teaching, we should promote the teaching effect with teachers' guidance and students as the main body, stimulate students' interest, and make full use of the classroom interaction in the network teaching platform to mobilize the classroom atmosphere, such as the real-time learning feedback and bullet screen in the rain classroom, the classroom performance and brainstorming in the cloud classroom, the PPT interaction in the classroom and Record performance, etc.

Under the background of the new era, the graduates cultivated by the traditional vocational education system are lack of practice and innovation ability, and there is a significant gap with the talent cultivation of foreign developed countries. How to cultivate the network technology talents with innovation ability needs teachers to introduce innovation ideas into the regular classroom training.
teaching, strengthen the training of professional innovation thinking, and open up the students' innovation brain. Through thinking map, six hats and other classroom activities to analyze network engineering cases, guide students to overcome stereotype, conformity, similarity, fatigue, tunnel, Youren, Antai and other thinking modes, so that students' creative brain is fully activated.

A set of good curriculum assessment program can not only test the professional skill level of students, but also help to improve the comprehensive quality of students and form the innovative spirit. For the network technology professional course in the form of project, it needs the combination of process assessment and project assessment. Process assessment is an important way to promote students to develop good learning habits, enhance learning awareness and improve learning methods. It is also an assessment of continuous learning ability, including discipline attendance, classroom performance, daily work, classroom tests and research reports. The project-based assessment of network engineering program curriculum design, network engineering project practice and so on can help students to understand the whole project, improve the application level of engineering practice, achieve the employment demand of enterprises in the field of network technology, and complete the project-based assessment by adopting new assessment methods such as making learning contracts, recording growth files, role-playing and case study.

Network application, information security, cloud computing application and other network technology professional competitions have been highly valued by higher vocational colleges. In order to tap network technology talents, the Ministry of education, the Education Steering Committee, industry associations, it enterprises and other enterprises are competing to hold various competitions, and the students participating in the training are very popular with enterprises. The introduction of skill competition into classroom teaching will stimulate the learning interest, initiative and enthusiasm of learning by promoting learning by competition, practice by competition and teaching by competition. At the same time, it is of great practical significance to improve the teaching level and professional skill level of teachers.

Active network technology students actively join professional associations such as computer network association, cloud computing Association, and information security association. Their desire for new professional knowledge and skills needs to attract the attention of professional teachers. Teachers should strengthen professional and technical guidance in their spare time, and improve students by holding professional technology lectures and organizing professional technical activities at the same time, it can promote the professional level of teachers.

Students' solid network technology foundation and strong network skills are inseparable from the study and repeated practice after class, as well as the guidance of professional teachers. After class tutoring is an important part of the classroom teaching system. It can assist in class teaching, better grasp students' learning dynamics, and teach students according to their aptitude. Through QQ, WeChat, e-mail and other communication platforms to exchange information and feedback problems with students, network colleges such as Cisco, Huawei and teaching platforms such as blue ink cloud and classroom school are also interactive platforms for teachers to guide students after class.

Summary

It is a long-term and arduous process for the construction of network technology professional teachers. When the on-the-job teaching system is not perfect enough, how to stimulate professional teachers to actively improve their comprehensive business ability and encourage professional teachers to apply various teaching changes to teaching practice also requires the full cooperation of all administrative departments, teaching management departments, cooperative enterprises, students' parents, etc. to achieve the expectation Effect.

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