Research on the Curriculum Reform of Computer Specialty in Higher Vocational Education Adapted to "Internet + Education"

Sun You
Dalian Vocational Technical College, Dalian, 116035, China

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Abstract: "Internet +" is the current stage of the main form of Internet economic development, the field of education also had a profound impact. The goal of computer education in higher vocational education is to establish a new theoretical teaching system and practical teaching system, as well as a system of cultivating students' ability, and to cultivate the innovative computer talents needed by the social market. However, there are still many problems in higher vocational computing, which need to realize the innovation and reform of education mode, and ensure the students to adapt to the teaching environment and social environment to the greatest extent. This paper mainly analyzes the problems existing in the process of reforming the course system of the computer science in higher vocational education by "Internet + Education", and probes into the measures to strengthen the "Internet + Education" curriculum reform in higher vocational education. Reference.

1.Introduction

In the era of "Internet +", the curriculum system reform of computer science in higher vocational education is the basic requirement of computer education in higher vocational education in the new period, which is the basic requirement of higher vocational education in computer science. There is a lot of deficiencies in the establishment of the computer course system of higher vocational education in the Internet and education, which has a negative impact on the future employment of computer students in higher vocational colleges. Therefore, the professional curriculum system of computer in higher vocational colleges should be continuously deepened and reformed. Computer professional skills of students are the foundation for the development. This paper analyzes the problems existing in the process of reforming the course system of computer specialty in the course of "Internet + Education", and discusses how to promote the reform of computer course system of "higher education".

2.The "Internet +" and "Internet + Education"

"Internet +" is the new format of the development of the Internet under the Innovation 2.0, and the evolution of the Internet and the birth of the new form of economic and social development. "Internet +" strategy is the use of the Internet platform, the use of information and communication technology, the Internet and traditional industries, including the combination of industries, in the new field to create a new ecosystem. "Internet + education" is by virtue of large data, cloud computing, mobile internet and other technical advantages, the use of internet thinking, the internet in the field of education to use a new way [1]. To build a multi-dimensional discussion and communication platform for students to effectively enhance the learning efficiency.

3.Problems Existing in the Reform of Computer Course System in Higher Vocational Education with "Internet + Education"

3.1 Curriculum reform is obsolete

In order to meet the needs of the development of higher vocational education under the background of "Internet +" in the background of higher vocational education, the reform of specialized course system has been carried out. However, the computer education in our country has been fixed for more than 10 years. Therefore, the contents of the curriculum system reform of the computer specialty are still the main contents of the 1990s, which are influenced by the traditional computer education. However, the "Internet + Of the content, but only point to date, and not the "Internet +" core penetration into the computer content of the course system.

3.2 Computer Teachers' Knowledge Structure and "Internet + Education"

At present, the application of Internet + educational technology in computer course is mainly in the aspects of web browsing and design. The application range is shallow and the degree of integration is not enough. The students can not accept the computer professional education , an effective grasp of the Internet + educational technology [2]. The main reason is divided into two aspects, one is the Internet + educational technology in the professional computer education system integration degree is insufficient; the other one of the most prominent reason is that the current vocational college computer teachers knowledge structure is difficult to meet the Internet + Education requirements, most teachers, although there are many years of teaching practice and rich teaching experience, but the face of "Internet +" this new form of the Internet can not be timely and effective into their own teaching, so to promote Internet + education The Reform of the Curriculum System of the Computer Major in Higher Vocational Education Has a Negative Influence.

4.Measures to Strengthen the Reform and Management of the Curriculum System of Computer Specialty in Higher Vocational Education with "Internet + Education"

4.1 Curriculum Reform of "Mobile Internet + Education"

Mobile Internet is the product of "Internet +" development, and is now popular, for example, now a staff of the smart phone, is to achieve "Internet +" application of the important carrier, through the mobile Internet for real-time communication, and Interactive feedback of information. In the process of curriculum reform of computer teaching in higher vocational education, "mobile Internet + education" can be integrated into it. For example, in the study of "computer assembly and maintenance," this computer professional courses, the traditional curriculum is the main content of desktop hardware and software assembly and maintenance of course content, can now for "mobile Internet + education" into, smart phones, tablet Computers and other equipment, hardware assembly, and Android system and IOS system maintenance and other knowledge content [3]. Secondly, in the teaching mode, the computer teachers can fully use the current popular mobile APP, such as WeChat, microblogging, microblogging, WeChat public platform, mobile Internet teaching. And computer teachers can be achieved through these platforms and students online interaction, the assessment of student learning status.

4.2 "Cloud + Education" curriculum reform

Cloud is also a new concept in the process of internet development. The cloud is an effective combination of cloud computing technology and intelligent terminal. In the teaching of computer science in higher vocational education, it can fully utilize the curriculum system of "cloud + education", show computer professional courses Planning and implementation of the new features. For example, in the study of "Computer Application Foundation" when the professional courses, computer teachers can use the mobile Internet and the relationship between computer applications, set up cloud courses. For example, the teacher will upload teaching resources to the network cloud disk, students can access the cloud in the case of network coverage, direct access to teaching resources, download, and gradually realize the line teaching, cloud storage, terminal sharing "cloud teaching mode "[4]. Second, in the "operating system theory" this course to learn when to increase the set cloud storage, cloud server maintenance and other knowledge content, to increase students on cloud equipment system research and development of knowledge and skills, and "Internet +" background, On the computer technology students to maintain the requirements of technical capacity.

4.3 "Internet of things + education" curriculum reform

In the gradual development and development of M2M, based on the emergence of the Internet of Things, IOT mainly consists of three parts, including the perception layer, transport layer, application layer. The concept of the Internet of Things is introduced into the computer teaching of higher vocational education. It is a new teaching idea under the background of "Internet +". Using the sensing layer of the Internet of Things can realize the number of networks, the construction of innovative applications, change the limitations of traditional computer knowledge, and join the course content of "Internet of things + computer". Higher vocational colleges should also attach great importance to the innovative development of computer science, construction of Internet of

things training room, targeted to start new students and new skills training. Higher vocational colleges and computer equipment operating enterprises to maintain close relations of cooperation, the computer professional students to develop into the social market needs "things + computer" talent.

4.4 To strengthen the "double-qualified" team of teachers

"Internet + education" vocational computer course system reform practice, there must be a strong teaching staff, the level of teachers is directly related to the professional level of computer teaching. Therefore, vocational colleges should pay special attention to the cultivation of teachers. For example, actively encourage computer teachers to participate in the school computer training room and other teaching projects in the construction, the indirect enhancement of teachers' practical ability; actively encourage teachers to participate in various professional research work, and other institutions of teachers Good communication and communication, and constantly improve the professional quality of teachers and teaching ability, to adapt to the "Internet + Education" of vocational computer courses curriculum reform.

5.Conclusion

In summary, the goal of higher vocational computer education is to establish a new theoretical teaching system and practical teaching system and the ability of students to develop the system, training the social market needs of innovative computer talent. Adapting to "Internet + Education" is the basic requirement of higher vocational computer education in the new period. Higher vocational colleges should recognize the problems existing in the process of reforming the course system of "Internet + Education", and establish professional curriculum system of "Mobile Internet + Education", "Cloud + Education", "Internet of Things + Education" The construction of "double teacher" teachers team, constantly adapt to the "Internet + education" of higher vocational computer course system reform.

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