Vocational Education Thinking Based on MOOC

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Abstract. From the current situation of Internet technology course teaching, there are many problems in Internet technology course teaching, which affect the effectiveness of Internet technology course teaching. As an advanced teaching method, MOOCs bring new opportunities to vocational education. Therefore, it is of great value and significance to apply MOOCs to the course teaching of Internet technology in vocational education reform. By discussing the characteristics of MOOC and its impact on vocational education, this paper analyzes the reform strategies of curriculum teaching, so as to improve the teaching quality and efficiency of vocational and technical education.

Introduction

The rise and development of MOOC has brought a certain impact to traditional vocational education. As a new education mode, MOOC has been favored by more and more learners with its advantages of low price, open learning platform, easy access and large scale. Under the premise of adapting to the needs of network development, the construction of a multi-functional MOOC teaching platform adapting to the development of modern vocational education can enable teachers of higher vocational colleges to carry out various classroom teaching activities on this platform, so that students can conduct efficient independent learning in an environment without time and space restrictions.

Characteristics of Moocs and their Impact on Vocational Education

The Teaching Environment has Changed

The teaching environment is an environment organized according to the development of human body and mind. In a broad sense, social system and family conditions belong to the teaching environment, while in a narrow sense, the teaching environment mainly refers to school atmosphere, class atmosphere and teaching facilities. MOOC teaching is more influenced by the development of high technology. The higher the technology level, the closer the environment for teachers and students will be to reality. In the learning process, there is no early communication between teachers and students, and teachers are faced with a group of unknown students. The courses are generally progressive, starting from basic knowledge and gradually developing to deep learning, with the content from shallow to deep, from easy to difficult, and finally students communicate their learning experience through various channels. These characteristics make the whole MOOC teaching system more open and virtual.

Teaching Means are more Abundant

At present, the current teaching situation of vocational colleges in China is mainly based on the traditional teacher-centered and student-assisted teaching mode. The "cramming" teaching mode has seriously affected students' interest in professional technical skills. The emergence of MOOC has brought a fresh breeze to traditional vocational education, which is conducive to the reform of traditional teaching methods in higher vocational colleges. Firstly, combined with flipped classroom, MOOC improves students' active learning ability and interest in learning through various learning methods, which changes from "passive learning" to "active learning" and improves learning
efficiency. MOOC courses are taught by students on their own. Secondly, MOOC emphasizes student-centered teaching and gives full play to students' subjective initiative through question-and-answer, interaction and other forms, which is conducive to the development of students' personalized learning. Finally, the exquisite video, vivid PPT and various question-and-answer forms presented by MOOC realize the teaching transformation from "knowledge based" to "comprehensive quality based".

**The Teaching Objects are more Diverse**

At the very beginning of its development, moocs have gained a large number of users and registrations in a short time, which has obvious advantages over traditional teaching courses. The rapid development and expansion of educational objects make the teaching concept of lifelong education come true. From the perspective of time, the concept of lifelong education makes people realize that with the development of society, only by constantly improving themselves can they maintain a higher competitiveness and an undefeated position in the society. From the geographic MOOC can attract learners from different parts of the world different areas, they don't have to leave home can enjoy world-class top education resources, listen to the teaching idea of master of education teaching methods. Relevant statistics show that MOOC course learners just opened a door can spread all over the world more than one hundred countries, at the same time MOOC let more social education resources of vulnerable groups have a more equal chance to get the right by education, which for the peace of mankind and civilization development provides a more convenient conditions.

**The Impact of Moocs on Vocational Education Teachers**

First of all, compared with traditional teaching, the role of the teacher begins to change. From the previous role of the simple knowledge impartor to the organization and coordination of a teaching activity. In traditional vocational education, teachers are only unilaterally "spoon-feeding" teaching, inculcating knowledge, communicating with students through a single channel, and students' opinions and feedbacks have not formed a two-way communication path. In MOOC courses, in addition to the traditional one-way relationship, teachers are more reflected in the reconstruction of learning methods and knowledge system, and more reflected in the guidance and assistance of students. Teachers and students build a dynamic knowledge system together. Secondly, teachers of MOOC courses need to make, maintain, read and participate in the course interaction. Besides teaching, they also need to do a lot of homework, which is more diversified than traditional teachers' role and makes learners become the center of education in the learning process. The multiplicity of roles puts forward higher requirements for vocational education teachers, who have changed from mere lecturers to designers, organizational participants, researchers and innovative service providers of teaching activities, as well as serving as consultants, counselors, supervisors and referees. Finally, MOOC learners need to improve their self-discipline. In the traditional teaching environment, learners receive knowledge passively rather than voluntarily, which is not conducive to the improvement of learning effect and hinders the improvement of learning effectiveness. Teachers who offer MOOC courses generally have a profound knowledge background and are well-known in a certain industry. They are capable of helping students to improve their understanding of the field, master the knowledge in the field, improve their subjective ability of learning and thus improve the learning effect.

**The Changes Moocs have Brought to Vocational Education**

**Construction of Vocational Education Curriculum System in MOOC Environment**

At present, the curriculum of vocational schools at all levels in China is scattered and messy. Theoretical courses and practical courses are conducted in classrooms and training bases or laboratories respectively. Most of the learning contents are rigid and dogmatic, and the teaching methods are mainly teacher-centered traditional teaching mode. Students are not very active. It is
common to attach importance to theory and neglect practice. The equipment in the training base is outdated, short of equipment and backward in technology. Students' learning of professional skills is completely out of line with the social demand for professional talents. Another bottleneck of vocational education in China is the continuing education of on-the-job personnel. After work, it is impossible for professionals to receive full-time education in class due to work and other reasons. If they want to receive continuing education outside of work, they will encounter many practical problems and fail to complete them smoothly. The development of MOOC provides new methods and approaches to solve such problems.

MOOC in vocational education is still in its infancy, the course category and quantity are very limited, but universities are aware of the vocational education MOOC must become a big trend, more and more vocational school offers a wide range of school courses, various online learning website can appreciate the teacher's elegant demeanour, both students and on-the-job personnel shall receive free learning opportunities. Relying on the advantageous resources of the alliance, systematic MOOC courses with professional vocational education, such as "famous vocational education teacher" and "high-quality vocational education MOOC", can also be developed. Through cooperation with enterprises, senior professional talents of enterprises can be brought into the classroom, and online courses can be produced, so as to realize joint construction and sharing of resources between schools and enterprises.

MOOC Environment Construction of "Double Type" Teachers

Firstly, teachers should strive to improve the production level of MOOC courses and the level of information technology. The traditional "spoon-feeding" teaching method is no longer suitable for the environment of MOOC. The production of school-based MOOC requires teachers to assume the roles of director, editor and actor. They should not only explain clearly, but also shoot smoothly and clearly. Therefore, "double-qualified" teachers should carefully study the characteristics of MOOC, impart knowledge to students through video, P subscription and other media, so that students can quickly master the operation essentials of professional skills. Secondly, the ability to guide students to independently conduct MOOC learning. In the MOOC of vocational education, teachers are more like leaders and participants of a collective discussion. They are no longer teachers in the traditional sense and do not need to directly face the learning object. What's more important is that teachers pay attention to guide students' active learning ability and interactive ability. Learners all over the world, as long as they are in the same classroom, are likely to answer the questions raised by students, and the continuous interaction will make the answers more complete. This good interactive atmosphere makes autonomous learning ability more important.

Internationalization Trend of Vocational Education in MOOC Environment

In the new era, the learning content, learning place and semester system of vocational education have all changed. In order to acquire advanced knowledge and more professional skills, international education courses have become an inevitable choice. Managers of vocational colleges also need to analyze and solve problems from an international perspective. Students can access international courses through the most front-end platform, so that teachers can improve and innovate under the pressure of competition and promote the international development of vocational education.

The Enlightenment of MOOC to Vocational Education Learners

Vocational education students come from a wide range of sources, most of which come from rural areas and remote places. Due to the differences between urban and rural development, students are far less familiar with the application and understanding of information technology than urban students. Therefore, more in-depth studies are needed on how to correctly guide students. For example, data mining can be carried out through data resources, and education course theory based on MOOC can be put forward to effectively guide vocational education through the study of individual differences of students, so as to achieve the optimization of courses to promote learners from different sources to change their learning styles and adapt to the needs of MOOC learning.
Teaching Reform Strategy of Internet Technology Course under the Background of MOOC

Use MOOC Platforms to Enrich Teaching Content

Under the background of MOOC, teachers can download some latest knowledge from the MOOC platform, as an extension of classroom teaching content, expand students' knowledge system, let students master the development trend of the Internet, and prepare for the future work in the computer industry. The network has the characteristics of fast information dissemination and wide propagation paths, which all provide favorable conditions for updating classroom teaching contents. For students, there are many mobile devices in their hands, such as smart phones and tablets, which lay a foundation for students to use MOOC resources for independent learning.

Avoid Teaching Way too Unitary

Teachers' choice of teaching methods has a great influence on the whole teaching process. With MOOC, teachers can express the boring teaching content in the form of vivid animation and small video, so as to attract the interest of students. Traditional spoon-feeding education should become a thing of the past. Although this kind of education has been "brilliant" and applied by many teachers, it is contrary to the actual needs of students and has no prospects for development.

Emphasis on Practice Teaching

Innovation ability is very important for students, but purely theoretical teaching or practical teaching of verification plays a very limited role in cultivating students' innovation ability, so it should not become the mainstream of Internet technology courses. But should attach importance to practical teaching, its role is not to verify theoretical knowledge, but to let students create a new world of knowledge, improve their innovation ability, which is the real significance and value of opening practical courses.

Conclusion

The development of MOOC has brought new opportunities to the construction of vocational education, and its features and advantages have created a favorable environment and atmosphere for the development of vocational education. MOOC not only enriches the teaching reform ideas of vocational education, but also sees the possibility of vocational education construction under the background of Internet from the strategic point of focus. To think, analyze and solve problems with an open vision, rational attitude and practical attitude, pursuing lifelong education will surely become the soul of the development of vocational education MOOC.

References


