

Exploration of Teaching Mode and Management for Vocational and Technical Talents from the Perspective of "Internet +"

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Abstract: With the continuous progress of science and technology, the development of information and network technology is changing, and various traditional industries are constantly integrating with Internet technology. Traditional industries create new development models with the help of Internet platform. The continuous emergence of various new equipment, new technology and new ideas indicates that industrial and economic transformation of China is developing, and that Chinese manufacturing is gradually transformed into Chinese creation. Under the new development mode of "Internet +", vocational education in China also needs to change. We should build a new training system for vocational personnel, cultivate a group of professional labor and technical personnel with high-quality, and apply information technology such as big data and Internet to promote economic transformation and development of China. This paper explores the teaching and management for vocational and technical talents from the vision of "Internet+" to provide reference for training of vocational talents with high-quality under the new development form of "Internet +".

On May 22, 2020, Li Keqiang, premier of State Council, put forward in the State Council's government work report that we should comprehensively promote the development of "Internet +" and create the advantage of digital economy ^[1]. "Internet +" refers to the construction of a new economic mode by means of the Internet platform, which helps traditional industries achieve industrial and economic transformation, enhance social and economic development and promote social and economic development ^[2]. Vocational talents are the backbone of industrial development, the industry must have a large number of high-quality vocational talents to realize industrial transformation and build a new economic system with the use of "Internet +". Therefore, it cannot be ignored in the aspect of the training of vocational personnel. The current development goal of Vocational Colleges in China and the trend of future education and training are to speed up the and promote the cultivation of vocational talents by using Internet technology ^[3].

1. Influence of "Internet +" on the Teaching and Management for Vocational Talents

1.1 Impact of "Internet +" on Vocational Education Mode

With the progress of science and technology, as well as the deepening of China's informatization and modernization process, it has become the future development trend to meet the tide of the times and to apply Internet thinking to promote the development of vocational and technical education ^[4]. Under the development mode of "Internet +", the education of Vocational Colleges has a broader prospect. Students can conduct fragmented learning on the online cloud learning platform, having better learning effect ^[5].

1.2 Impact of "Internet +" on the Resource Construction of Vocational Colleges

With the continuous deepening of the "Internet +", vocational schools continue to improve their

informatization infrastructure, promote the development of digital campuses, and build campus public service platforms such as campus networks and online learning platforms, which are positive for the informatization development of vocational schools. It has also promoted the integration of resources of vocational schools and strengthened the effectiveness of vocational education ^[6].

1.3 Impact of "Internet +" on Vocational Education Courses

Traditional vocational education takes traditional heavy industry and handicraft skills training as the goal, and students' vocational skills are relatively solidified. The object of the school is a single assembly line worker. In today's information age, it is difficult for traditional workers to develop, so it requires Vocational Colleges to change their educational goals, carry out educational reforms, and set up new courses to train students to cater to the development of the times ^[7].

2. Necessity of "Internet+" for the Teaching and Management of Vocational Talents

"Internet +" means that the use of information technology and Internet platforms by Internet + traditional industries to achieve deep integration of the Internet and traditional industries and form a new economic development system ^[8]. Among them, vocational workers who account for a large proportion in traditional industries have become the primary development target. In higher vocational education, the teaching and management for vocational talents also need to be reformed. Informatization and modernization process have created a new development pattern. Similarly, traditional handicraft skills in the past have become the relics of the times and are not suitable for the development of modern industries. In today's rapidly changing era, higher vocational school needs to keep up with the development of the times ^[9]. The informatization reform of vocational education is mainly to cultivate high-level professional talents with Internet thinking and informatization. The development of Internet, Internet of things, VR technology, big data, artificial intelligence and other new technology industries in the future will also force higher vocational colleges to reform themselves. It is the primary goal of today's education to conform to the development of the times.

3. Strategies for Cultivating Vocational and Technical Talents from the Perspective of "Internet +"

3.1 To Adapt to the Times and Innovate the Teaching Mode of Professional and Technical Talents

Traditional teaching mostly uses examination papers as the judging standard for students' learning. This single judging standard cannot accurately determine the vocational skills of students. In the perspective of "Internet +", schools can use the Internet as an effective platform to apply various cloud learning platforms to reform the teaching mode and evaluation criteria to better understanding students' learning conditions and professional skills. In addition, vocational colleges can use online education platforms, such as MOOC, Xuetong, and Wisdom Tree, to establish a diversified curriculum to allow students to receive higher-quality educational resources. In teaching, in addition to the training of students' skills, it is more important to cultivate students' Internet thinking, so that students can proficiently operate various information equipment ^[10]. At the same time, when setting curriculum training goals, it is necessary to be guided by social needs to fill up the shortcomings in social and economic development and effectively promote social and economic development.

3.2 To Standardize Scientifically and Strengthen the Information Management of Campus

In the view of "Internet +", it is necessary to strengthen the information management to innovate and develop vocational and technical talents with high-quality. In the process of educational reform and development, the new educational concept will inevitably collide with the traditional one. Both students, teachers and teaching administrators need to strengthen the transformation of educational ideas and concepts. The college should take the information concept as the guidance to reform the

traditional teaching concept and deepen the sustainable development of the college's informatization. In the aspect of teacher management, we should strengthen the information-based training for teachers and management personnel, reform the original teaching mode of teachers, apply Internet technology to teaching, integrate the concept of informatization and Internet thinking into the whole course teaching, and improve the quality of daily teaching management, so as to form a group of teaching teams with high-quality, innovative thinking and practical management experience in information technology to promote the training of high-quality information technology talents^[11]. In the aspect of student training and management, we should ensure the standardization of teaching, cultivate students' learning autonomy through Internet platforms such as campus network and cloud learning platform, set up diversified courses to meet students' personalized needs for knowledge acquisition, and educate students to communicate and cooperate with each other to improve their practical and entrepreneurial ability^[12]. Similarly, in the management education, we must encourage students to participate in the evaluation of courses, and continuously improve the quality of courses and the level of information management of the college.

3.3 To Integrate Resources and Strengthen the Construction of Information Hardware Equipment in Colleges

Under the background of "Internet +", social and economic transformation and reform have made social demands higher vocational graduates. Higher vocational graduates must have Internet thinking and information literacy, so that they can have a good job prospects. This requires vocational colleges to have corresponding information-based equipment and education environment to improve students' ability to use various intelligent terminal equipment and information equipment, and master new technologies such as big data, VR technology and artificial intelligence, so as to continuously adapt to the development of society^[13]. "Internet+" has allowed Chinese industry to enter the important changes in the development of informatization, and it has also promoted the transformation of higher vocational education. The vocational colleges should seize the opportunities of the times, keep pace with the development of the times, and cultivate high-quality information technology professionals with the advantage of "Internet+".

4. Conclusion

With the deepening of the process of industrial informatization and modernization, Chinese industry will usher in a new look, and the impact of information technology on traditional industries is becoming more and more important. In recent years, the country has continuously promoted the development of the "Internet +" plan. Vocational and technical education is facing innovation and development due to its influence. Vocational schools must always run through the "Internet +" thinking in the teaching and management to improve students' skills, and cultivate high-quality vocational talents with internet thinking and information literacy. Under the background of information age, vocational education must keep up with the development of the times, constantly explore new education mode and management methods, and cultivate high-quality vocational talents, so as to provide strong guarantee for our industrial economic transformation, and promote our economic development.

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