Research on the Innovation of Chinese Vocational Education Management Model With “Internet Plus”

Di Chen¹

¹ CITIC Bank branch in Chongqing New North Zone, Chongqing, China

Correspondence: Di Chen, CITIC Bank branch in Chongqing New North Zone, 2 Longhua Dadao, Yubei District, Chongqing, China. E-mail: asdacmn2@163.com

Received: February 2, 2022  Accepted: February 26, 2022  Online Published: February 27, 2022
doi:10.20849/aes.v7i1.1020  URL: https://doi.org/10.20849/aes.v7i1.1020

Abstract
Vigorously developing vocational education has become one of Chinese basic national policies. In the era of "Internet Plus", vocational education is also changing rapidly. Vocational education has the dual attributes of education and industry. The new era requires a deeper integration of vocational education with the Internet, which is a great challenge for vocational schools. Based on the background of the current "Internet Plus" era, this paper clarifies the necessity of the innovation of vocational education management model, and proposes strategies for the diversified development and innovation of this mode, aiming to better realize a deep integration of vocational education with the Internet.

Keywords: Internet plus, Chinese vocational education, management model, innovation strategy

1. Introduction
In the new era, vocational education with "Internet Plus" is the integration of modern vocational education system and Internet information technology. Vocational education is closely related to economic and social development, employment and people's livelihood, and is an education type as important as general education. In the era of "Internet Plus", the vocational education management mode needs to adapt to this era, and cultivates high-quality technical talents suitable for the development of emerging industries and the market of the new era. Vocational schools need to find the way to grab the decisive opportunity in this fast-changing Internet transformation, serve for powerful modern socialist country construction, figure out the innovation and development of vocational education management mode, and comprehensively improve the quality of Chinese vocational education. Those prominent and urgent problems should be solved by vocational colleges.

2. The Necessity of the Innovation of Vocational Education Management Mode in the "Internet Plus" Era
It is undeniable that "Internet Plus" has brought a significant impact on education and will trigger a new round of educational reform. In the era of "Internet Plus", information is fully circulated and competition is rapidly intensifying. Through Internet technology, vocational educators can provide more high-quality services. If the Internet information technology and vocational education are closely integrated, more benefits of the times will be created, so as to the development of vocational education, and realize the full mobility and convergence of educational resources. It is imperative to strengthen the full application of "Internet Plus" in order to achieve the goal of the innovation of Chinese vocational education management model.

2.1 The Needs of the Construction of the Times
Innovating the management mode of higher vocational education is the demand for the construction of the "Internet Plus" era. In recent years, Chinese higher vocational education has developed on a large scale, emphasizing the deepening reform for the Internet and education. Higher vocational education is an important part of higher education. Vigorously developing higher vocational education and innovating the management mode of higher vocational education can effectively accelerate the construction of a new era. Higher vocational colleges are committed to cultivating high-quality technical and skilled talents who can occupy important positions in the development of the country and can promote efficient growth in the Internet era. The reconcile of the innovation of higher vocational education management model and the Internet can strengthen the teaching management ranks, improve the quality of talent training in higher vocational colleges, promote the full development of students who can become the applied talents needed by the progress of the times. Therefore, the
innovation of higher vocational education management model in the Internet era can meet the needs of the construction and development of the era.

2.2 The Needs of Higher Vocational Colleges Development

In the "Internet Plus" era, the innovation of higher vocational education management model is demanding for higher vocational colleges development. Under the background of continuous development of society and economy, the status of higher vocational education is constantly improving, and the competition among colleges is becoming more and more fierce. It is necessary for higher vocational colleges to actively integrate the means of Internet information technology and innovate teaching management work in order to effectively improve their competitiveness and survive in the new era. In the era of "Internet Plus", higher vocational colleges have been endowed with lofty missions and historical responsibilities. And at the same time, the new Internet information technology gets a wider development space. It is necessary for higher vocational colleges to provide more high-quality and qualified labor for the society. Only by using these technologies to deepen reform and independent innovation, seize the opportunity of the times, pay attention to self-reform, and change our own defects and deficiencies, can we have high-quality and characteristic school-running quality. Therefore, higher vocational colleges need to take the innovation of higher vocational education management model as the focus of reform work, actively apply the Internet information to build a new education management system, grasp the core elements of college progress, improve the overall teaching quality, and effectively reply to the fierce market competition and promote the sustainable development of higher vocational colleges.

3. The Innovation Strategy for Vocational Education Management Model With “Internet Plus”

In the era of "Internet Plus", the demand for talents should develop towards diversification. How to better integrate vocational education with the Internet is the focus of the society at present and in the future. In current vocational education, the implementation of vocational education management model innovation will have a great effect to train vocational college students.

3.1 The Innovation of Teaching Idea

With the coming of the "Internet Plus" era, intelligent manufacturing with highly digitized, networked and self-organizing has broken through the time and space boundaries of learning, and changed students' learning space and methods. Mobile learning, ubiquitous learning, unsystematic and fragmented learning have become important learning methods in the "Internet Plus" era. Therefore, vocational schools should change the traditional teaching management and teaching concepts, and evolve from in-class mode to out-of-class mode, which changes other traditional function, authoritative status and knowledge hegemony of teachers, and changes relationship between teachers and students. The teacher's role is no longer a simple lecturer, instructor and knowledge transmitter. The scope of teaching should become more diverse, and the quality of teaching should become more higher. Students are no longer passive recipients in the classroom, but subjective recipients in the learning process. This requires teachers to constantly improve their own professionalization. Only through continuous border-crossing learning and independent learning can they adapt to the rapid development of economic society. On the other hand, it also requires that the learning method changes from traditional collective, passive, stimulus-responsive and intensive ways to customized, active, and endogenous constructive ways, so as to respond to rapidly transformation of the talent demand of new technologies, new models, new occupations, and new job specifications.

3.2 The Innovation of Teaching Method

With the continuous advancement of Internet information technology, the innovation of teaching mode lies in the innovation of teaching methods and teaching content. By strengthening the construction of online course resources, conducting information technology training, improving teachers' teaching ability of information technology, and combining teaching design methodology, course design model and teaching environment design, such as micro-courses, MOOCs, and flipped classrooms, can form a new teaching method that integrates online and offline courses. For the teaching methods, in addition to designing different forms of imparting knowledge, it can also build a virtual learning community and an interactive communication platform, and actively carry out activities such as online tutoring, teacher-student exchanges, class discussions, etc., to cultivate a teacher-student learning community, strive to improve the level of knowledge that students can master. In the meantime, education in the era of "Internet Plus" needs to understand students from data. It is different from previous assessment such as average score and excellent rate in the past. Instead, it uses information technology to conduct big data mining to pay attention to the microscopic performance of individual students, such as classroom questions, the knowledge points, difficulties and problems and the frequency of course exchanges, etc. The curriculum development software which based on the Internet can combine classroom experience and the
Internet experience. So that, learners can express their questions and feelings through the network at any time, and display them on the courseware synchronously. Accordingly, teachers can adjust the curriculum in time, and also can count and mine the data, so as to accurately analyze and evaluate the difficulties in the classroom and the characteristics of the students. This can solve the problems of the lag and the low accuracy of statistics of the students' learning data which acquired from the paper and pencil. Big data not only can reveal the best learning strategy for students, but also can help teachers master the learning situation, design more effective learning strategies, and promote the scientific and refined teaching management.

3.3 The Innovation of Cooperation Model

The school-enterprise relationship is one of the main factors affecting the quality of vocational education. The "Internet Plus" era has transformed the school-enterprise relationship from cooperation to mutual benefit and development. At present, the ways of cooperation between vocational colleges and enterprises usually include: the enterprise provides internship positions for students, the enterprise sends technical personnel to serve as part-time teachers, the enterprise entrusts the school to conduct employee training, the enterprise provides training positions for teachers, and the enterprise and the school jointly tackle scientific and technological problems, etc. But it cannot bridge the gap between supply and demand in the market quickly. The innovative development of vocational education management model should retain conventional cooperation methods, and also welcome the Internet, integrate itself into the labor training market, organize corporate universities with enterprises, build community colleges with communities, develop distance education, build virtual schools and online schools, develop enterprise online courses and other ways to promote the diverse and in-depth participation of social forces in running schools. And make full use of the advantages of information technology and Internet resource. While satisfying regional economic development, vocational schools need to attach importance to explore school-enterprise trans-regional cooperation, to ensure school vitality and stable growth. Vocational schools also should be driven by leading majors to support economic transformation, support people's livelihood improvement, and support city to serve domestic and international markets.

4. Conclusion

In conclusion, in the Internet era, Chinese vocational education is gearing up for a great revolution. The innovation of vocational education management model with "Internet Plus" is very imperative. In the new Internet era, we should use corresponding strategies to innovate the higher vocational education management model according to the needs of the development of the times, further deepen the reform of higher vocational education, and promote the modernization and informatization, and promote the further development of Chinese higher vocational education. Higher vocational colleges should fully recognize the necessity and significance of innovating the vocational education management model, deeply analyze the current specific problems, practice constantly and explore hard. Use the innovative strategies of vocational education management model in the "Internet Plus" era to continuously perfect the management system. In this manner, higher education school can make management model reach a higher level and improve the overall school-running ability, and cultivate high vocational talents who can meet the needs of society. What's more, wet can achieve a more stable development of higher vocational education in our country.

References

Chen, R. (2016). Research on the innovation mode of vocational education management. Weekly Issue, 15(15), 128-129.

Cheng, H.-L. (2017). Analysis on the implementation strategy of innovation and entrepreneurship education in colleges under the background of "Internet Plus". Journal of the National Academy of Education Administration, (5), 76-81.

Gao, X. (2017). Research on the innovation of higher vocational education curriculum model in the era of "Internet Plus". Heilongjiang Science, 8(3), 130-131.

Guan, D.-D. (2018). Research on the talent training reform of vocational education integration of industry and education under the background of "Internet Plus". Central China Normal University.

Liu, H.-Y. (2016). Exploration on the teaching methods of higher vocational education under the modern Internet conditions. Search, (1), 185-188.

Liu, Z. (2015). Research on "Internet Plus" and Internet-based upgrading of industrial clusters. Science and Science and Technology Management, (8), 73-82.

Miao, G.-H. (2021). Exploration of "Course Ideological and Political" Reform in Higher Vocational Colleges
from the Perspective of "Internet Plus". *China New Communication*, 23(14), 2.

Wang, X.-G. (2019). A Preliminary Study on the Innovation of the Management Model of Art Higher Vocational Education in the "Internet Plus" Era. *Science and Education Issue* (Early Issue).

Yan, G.-F., & Zhang, D.-K. (2016). Internet Plus Vocational Education” System Architecture and Innovative Application. *China Electronic Education*, (8), 7-13.

Zheng, M.-Y. (2016). Research on Service Model Innovation of University Digital Library in "Internet Plus" Era. *Information Theory and Practice*, 39(7), 36-40.

**Copyrights**

Copyright for this article is retained by the author(s), with first publication rights granted to the journal. This is an open-access article distributed under the terms and conditions of the Creative Commons Attribution license (http://creativecommons.org/licenses/by/4.0/).