

## Reform of Higher Vocational Education in the Era of “Internet +”

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**Abstract:** in the Era of Internet + Higher Vocational Education is Facing Opportunities and Challenges. in the Era of Big Data, the Education Form is Quietly Innovated. Higher Vocational Education Can Only Meet the Needs of Economic and Social Development If It Accelerates the Pace of Reform, Changes Educational Methods and Means, and Merges into the Tide of the “Internet +” Era. with the Vigorous Promotion of the “Internet +” Strategy, Vocational Colleges Will Continuously Improve the Level of Information Application in Education, Teaching, Management, Service and Other Aspects. to Keep Up with the Development of Society and the Change in the Demand for Corporate Talents, We Must Keep Up with the Development Trend of “Internet + Education”, and Make Full Use of the Advantages of the Internet to Promote the Development of Higher Vocational Education Reform. the Innovation Reform of Higher Vocational Colleges under the “Internet +” Era Has Become an Important Measure for the Training of Innovative Talents and is Also a Requirement of the Development of the Times.

### 1. Introduction

“Internet +” in Essence Refers to the Penetration and Change of the Internet to Traditional Industries, among Which “+” Refers to the Coupling Process between the Internet and Traditional Industries. It Has a Great Impact on the Traditional Higher Vocational Education, Which is an Opportunity and Challenge Faced by Higher Vocational Education. How to Make Changes in Higher Vocational Education to Meet the Requirements of the “Internet +” Era is an Urgent Problem to Be Solved [1]. with the Help of “Internet + Education”, We Can Realize the Deep Integration of Information Technology with Education and Teaching, and Change the Traditional Educational Models, Concepts and Methods, So as to Train Innovative Talents [2]. It Puts Forward a New Challenge to Higher Vocational Education: the Object of Education is No Longer the Object of Passive Acceptance, But the Center of the Whole Knowledge Dissemination. Education Needs to Reset the Education System with “Students” as the Core. Further Promote the Innovation of Knowledge Society Characterized by User Innovation, Open Innovation, Mass Innovation and Collaborative Innovation, Forming a New Development Direction, New Accessible Fields, New Development Methods and Paths of China's Cultural and Creative Industry [3]. the Innovative Achievements of the Internet Are Deeply Integrated in Various Fields of Economy and Society. the Internet is Taken as the Infrastructure and Innovation Element to Form New Forms, New Formats and New Industries for Economic and Social Development [4]. Construction of Development Mode, Innovation of Development Path, Deep Integration of Higher Vocational Education and the Internet, Strengthening of Higher Vocational College Student Education, Construction of Higher Vocational College Education System, and Promotion of Higher Vocational Education Reform [5].

It is Imperative to Comprehensively Deepen the Reform of School Education and Teaching, Accelerate the Development of School Connotation, and Comprehensively Improve the Quality of Education and Teaching. Every Educator is Duty-Bound [6]. Higher Vocational Education Actively Adapts to the Needs of the Internet Era, Realizes the Comprehensive Coverage of Broadband Network Integrating Teaching, Management, Enrollment, Employment and Other Applications, Integrates Advanced Technology into Education and Teaching, and Integrates School-Enterprise Cooperation to Realize the Reform of Personnel Training, Which Has Given Full Policy Support [7].

the Innovation Achievements of the Internet Are Deeply Integrated into Various Fields of the Economy and Society, and the Innovation and Productivity of the Real Economy Are Enhanced to Form a Broader New Form of Economic Development That Uses the Internet as an Infrastructure and Implementation Tools [8]. the Scope of Open Education Resources is Far Greater Than That of Open Courseware Projects, and Larger-Scale Online Open Courses Are the Latest Development of Open Education Resources, So They Are Collectively Referred to as the Open Education Resource Movement [9]. in Order to Adapt to the Development of the Local Economic Region, Higher Vocational Colleges Should Choose a Joint Point, Find an Entry Point in Education Reform, and Carry out Evangelization and Confusion Around the Focus and Hot Issues of the Students, Educational Reforms Have Been Studied [10].

## **2. The Importance of Innovation and Reform in Higher Vocational Colleges in the Era of “Internet +”**

### **2.1 Internet + Education**

“Internet +” is not only a technological change, but also a thinking change. Internet thinking has subverted the traditional thinking, emphasizing user thinking, simple thinking, extreme thinking, iterative thinking, flow thinking and social thinking. The Internet is to give full play to the optimization and integration of the Internet in the allocation of educational resources, and build online open courses with students as the core. Teachers can innovate classroom teaching form and carry out network teaching. The teaching mode of “internet +” classroom teaching should be established to bring the Internet into the classroom. Teachers should allow and encourage students to search information and ask questions in class. These teaching forms can expand the time and space of classroom teaching and enrich the content of classroom teaching. It breaks the traditional teaching method, realizes the personalized requirements of students by providing cross-regional and interactive methods, breaks through the space limitation of traditional teaching, and realizes diversified teaching and personalized teaching. The reform of personnel training mode has made the Internet widely used in various fields such as teaching, practical training, cooperation and social services in higher vocational education, providing strong support for the training of high-quality technical and skilled personnel.

### **2.2 The Internet is an Ideal Way to Achieve Popularization of Higher Vocational Education**

Higher vocational education should adhere to the core concept of “student-oriented” and strive to give every student a chance to be brilliant in life. It is also necessary to combine the characteristics of the times and constantly innovate educational methods. Change management mode and education system. It is necessary to increase investment, build an intelligent campus, develop campus APP application software, and make use of the mode of “big platform and micro application” so that convenient process services can be easily applied at mobile terminals, so as to truly realize “mobile campus” and the new economic form of “internet +” has initially taken shape. This new economic form will directly determine the industry orientation and employment area of higher education for a period of time, and the industry orientation and employment area will be the direct determining force of the professional education setting. Students have the need to learn, they can study anytime, anywhere, and are not limited to the lectures of teachers in this school. They can also listen to the lectures of teachers from major schools online, which improves the quality and efficiency of teaching and enhances the motivation of students to learn. Multimedia network teaching audio and video, examination question bank, electronic lesson plan, teaching text, teaching courseware, exercise library, teaching resource database, self-study website, etc. Encourage higher vocational teachers to carry out study of education theory and case analysis in the Internet era, and gradually improve the vocational students' innovative consciousness and entrepreneurship in professional education.

Large-scale open online courses have swept the world for a while. Countries have drawn lessons from their curriculum structure and developed large-scale online courses one after another. The

difference between this education mode and the traditional teaching mode is that the courses are almost not limited by the number of students. New educational technology means are constantly emerging, and the teaching mode has changed from the traditional class centralized teaching and synchronous teaching to the diversified, ubiquitous, self-service and combination of online and offline modes. A closely linked, distinctive and dynamically adjusted vocational education curriculum system will be formed. All-round implementation of quality education, scientific and reasonable curriculum, professional ethics, humanistic quality education throughout the whole process of personnel training, the Internet technology into the teaching of higher vocational education, in improving the quality of classroom teaching at the same time, improve the quality of students, better integrated into the school-enterprise cooperation to cultivate talents needed for economic development. The implementation of educational reform in higher vocational colleges is also a need for improving the quality of higher vocational students. Only by paying full attention to this can we improve the comprehensive quality of students and better serve regional economic development. The Internet is only a form of informatization. Rich information resources and convenient access are the content and substance of informatization. Therefore, teachers should be familiar with and adapt to the new teaching environment of the information age as soon as possible, take the initiative to learn, and continuously improve the informatization level. Let the students learn the knowledge and skills through the Internet, exchange experiences and experiences in innovation and practice, and carry out activities such as Internet innovation and practice knowledge competitions to enrich students' learning and life, expand their horizons, and stimulate their creativity.

### **3. Teaching Reform of Higher Vocational Colleges in the Internet + Era**

#### **3.1 Developing Higher Vocational Education Resources and Promoting High Quality Education Resources**

The Internet is open and shared, with rich resources. There are many online courses on it, and many of them are mainly taught by teachers of famous schools. The content is diversified, covering a wide range of content, rich examples, and easy for students to accept from the simple to the deep. In teaching, teachers should take students as the center, strengthen the interaction with students, guide students to study based on problems, and make students get a greater improvement in autonomous learning. Through deepening the reform of education and teaching, adjusting the professional structure, serving the development of the industry, and building a professional system with key specialties as the main line and coordinated development of relevant specialties. We should actively promote the reform of teaching methods based on micro-class, MOOC, flip class, etc., and adopt a combination of online and offline methods to realize the long-distance interaction between the teaching process and the production process and promote the overall socialization of technical skills education. Through the study and cultivation of cultural knowledge, practical training and school-enterprise cooperation, students will eventually become a person with network learning ability in a new era. People with the ability to learn online in the new era. Let the Internet not only become the main carrier of information and knowledge, become the main source of information and knowledge, also become the main place of teaching activities, become the main position of education and teaching.

#### **3.2 The Improvement of Teachers' Information Literacy and Professional Ability**

In the era of "internet +", the goal of learning is not only the inheritance of existing knowledge, but the innovation is the key point. Higher vocational colleges should cultivate innovative and entrepreneurial talents / internet environment with higher requirements for teachers. Teachers should constantly strengthen the training and learning of Internet knowledge and application of information technology, and better use social media and big data thinking to change teaching concepts. To stimulate students' interest in learning, coupled with the rich teaching software, teaching platform and teaching video on the Internet, urge the traditional higher vocational

education concept and teachers' traditional education mode to change. Teachers can present the teaching process in the form of micro blog and network log. Other teachers and students' parents can understand the whole process and learning effect of students' learning through these micro blog and log, which can increase the credibility of each teaching link. Through group teaching, students can influence each other, restrict each other and learn. Stimulate interest in learning, students become love to learn; Students can independently obtain any learning resources at any time and at any place through mobile learning terminals such as notebook computers and mobile phones. In order to cultivate the ability to acquire knowledge and update knowledge, and through the powerful functions of computers and networks to explore new education system and teaching mode, to cultivate new talents to meet the needs of the information age, to achieve the goal of all-round education.

Teachers should encourage students to communicate and interact with teachers at any time and anywhere through the network platform, and discuss the difficulties, puzzles and doubts of knowledge points with teachers when there are problems or teachers need to be consulted. Actively guide the participation of enterprises, set up the teaching goal of training high-quality technicians, coordinate the interests of each other in cooperation, give full play to their respective advantages, form a community of interests, promote the optimal allocation of school enterprise resources, mutual benefit and win-win. Complement online and offline education. We should pay attention to the application of flipped learning mode, realize the important mode of teaching mode reform in Higher Vocational Colleges in the era of "internet +", and cultivate students' awareness and ability of innovation. Teachers are encouraged to collect more useful resources or make learning resources after class. Teachers' face-to-face teaching hours can be appropriately reduced. However, teachers will spend more effort to make and collect learning resources after class. In policy, the workload of teachers should be re-measured to improve teachers' enthusiasm. To integrate foreign excellent teaching resources and research results into teaching and professional construction, to enhance professional quality awareness and brand awareness, and to train technical and technical personnel with international vision and proficient in international rules.

#### **4. Conclusion**

This paper studies the reform of higher vocational education in the internet + era. Under the background of the current "internet +" era, "internet +" thinking has brought revolutionary impact on the traditional concept of higher vocational education. China's higher vocational education has reached an obvious transition stage. Teachers and students in higher vocational colleges are building a new campus information service platform with the help of Internet communication applications to realize the informatization of school management, teaching, service and scientific research, and jointly build an Internet information campus. Set up Internet thinking, use Internet platform, use modern information technology to build distinctive professional groups, promote professional construction, and improve students' professional quality. Make the learning content into a multimedia form integrating audio and video. When this teaching mode is popularized and becomes the mainstream form of education and teaching, it will truly realize the in-depth integration of internet + and education and reach a brand-new educational concept, which is conducive to the cultivation of truly innovative and applied talents. The teaching content is vivid and vivid, the content is easy to understand, the students are easy to accept, and the examination and evaluation methods are also made into a multimedia form, which is convenient for the operation of the teaching quality monitoring system. It is difficult for schools to meet people's increasing education needs, and the emergence and development of the Internet can help solve some of the pressing problems facing education, and provide an ideal path for improving the effectiveness of running schools and realizing the popularization and lifelong education. Constantly transform and innovate, update education concepts, change development models, improve education quality, and shoulder the historical mission of promoting economic and social development.

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