Research on the Reform and Innovation of "Internet + Higher Education"

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Abstract. Internet technology innovation, the Internet began to spread to various industries and fields, "Internet +" affects people's way of life and knowledge system structure. In the era of "Internet +", it is of great significance to explore and utilize the value contained in data, to achieve innovation in higher education, and to promote the integration of "Internet +" and higher education. Since the birth of the Internet, it has been inseparable from education. Internet education has developed through PC Internet, mobile Internet and Internet +. Nowadays, in the era of "Internet +", traditional industries have made use of and combined with mobile Internet technology, cloud computing mode, big data technology and Internet of things technology according to their own circumstances. Industry or create new industries. "Internet +" thinking and technology are constantly merging in all walks of life. The effective integration of "Internet +" and higher education is an inevitable trend.

Keywords: Internet + Higher Education, Big Data, Fusion Development.

1. Understanding of "Internet +"

"Internet +" is the "Internet plus all traditional industries", the use of information and communication technology and the Internet platform, so that the Internet and traditional industries in depth integration, create a new development environment. It represents a new social form, that is, to give full play to the optimization and integration role of the Internet in the allocation of social resources, to integrate the innovative achievements of the Internet deeply into the economic and social fields, to enhance the creativity and productivity of the whole society, and to form a broader economy based on the Internet as the basic facilities and tools. Develop new forms.

2. "Internet + Education"

"Internet + education" can be said to be the upgrading of educational informatization. This "+" is not simply adding or linking, but using information technology and the Internet platform to integrate the Internet and traditional education deeply, infiltrate and influence each other, and change the traditional education by using the thinking mode of the Internet. The content, methods and ways should be reengineered to create a new ecology for the development of Internet education. The combination of Internet and education has produced a series of information-based educational products, such as Mu-class, micro-class and micro-class.

Flipped classroom, open education resources, online courses, combined with big data, cloud computing, artificial intelligence, virtual reality technology and other new Internet technologies, promoted the "Internet + education" new ecological development, supported the "Internet + education" new teaching mode, and encouraged the "Internet + education" action. Shi.

3. Reform and Innovation of "Internet + Higher Education"

The big data, cloud computing, the promotion of "Internet + higher education", the development of big data, cloud computing and other new generation Internet technologies have profoundly changed the world, changed the way of operation of all walks of life, and brought great changes to the educational sector. We should actively develop "Internet + higher education", strengthen the building of educational informatization infrastructure, strengthen the overall planning of educational informatization, expand the coverage of high-quality educational resources by using big data, cloud

service platform for universities and educational institutions. The future education will be driven by big data, and analyze the process and results of education management, teaching and learning through big data, so as to give full play to the advantages of "Internet + higher education".

Optimizing the Public Campus Network and Constructing the Information Intelligent Campus

With the development of Internet and the improvement of information platform, colleges and universities should gradually build a visual, intelligent and scientific management system of intelligent campus, and build an intelligent learning environment: build a complete management platform for school students, such as student status management, homework management, examination paper analysis, and performance management; and build a complete teacher's credit. The school teacher management platform includes information, teaching classroom, scientific research, teaching skills, teacher evaluation, etc. It also builds a complete school office management platform for teaching and teaching affairs, office affairs, daily processing, etc. It also builds a network resource platform shared with other universities and educational institutions. Finally, a wise, open, efficient, pluralistic, safe and harmonious campus will be built to realize the overall informationization of teaching and research, teaching, management and office, and realize the high-quality and efficient sustainable development of colleges and universities.

4. College Teachers Should Integrate into the "Internet +".

From the experience of Internet development, unilateral investment in the process of Internet development can not make an Internet application be promoted in time. University teachers are still absolutely front-line workers in the education of "Internet +" era. First of all, let them join the training of "Internet +" education, and skillfully use the way of Internet education, so as to ensure that teachers can effectively and skillfully use the Internet in the future Internet teaching. Then, all the students, whether in group form or in the form of personal terminal equipment access, will conduct corresponding online learning on the Internet, so that students can really learn after entering the Internet.

The most important part of "Internet +" landing in higher education is the cultivation of Internet thinking. College teachers should change the traditional mode of thinking and actively respond to the development of internet. On the basis of the training of improving teachers'educational technology ability that has been carried out in the past, it is necessary to fully raise the awareness and training of teachers on Internet application and Internet thinking, and at the same time to strengthen the training of teachers' Internet technology so as to enable college teachers to be able to do so. We should make full use of the Internet platform to improve work efficiency and improve teaching quality, and open up new paths, new contents, new strategies and new models for the "Internet +" era of distance education.\

5. The Combination of "Internet +" and Traditional Educational Advantages.

The traditional face-to-face education, which has a history of thousands of years, is an important driving force for human progress, knowledge inheritance and social development, and has indelible achievements. So far, traditional education is still the main means of education. It has its own advantages, traditional education has a systematic, perfect theoretical system, complete educational system and methods, as well as rich practical experience. At present, every country has a perfect and stable national education system. Secondly, traditional education is direct. In traditional classroom teaching, teachers and students are. Face-to-face communication is conducted through language, body, expression, etc. Students can also ask questions and interact with each other at any time. The traditional education mode can stimulate the rapid and intense communication between teachers and learners, and can give learners a deep impression and direct ability acquisition. Thirdly, the teaching method is more flexible. Face to face enables teachers to adjust teaching contents and methods flexibly according to the classroom situation and students'feedback, so there are heuristic, inductive, case-based teaching methods. The advantages of traditional classroom education in seed delivery

make it impossible for other forms of education to completely replace the dominant position in today's and in the future.

Internet education and traditional education have their own advantages. The future development of higher education will be the combination of the advantages of Internet and traditional education. There is no absolute antagonism between them. They have complementary advantages between them. The direct performance of classroom education can ensure the direct transmission of teaching knowledge and avoid the waste of time caused by students'lack of self-discipline. Internet education has the characteristics of low cost, high efficiency and strong autonomy, which can enrich the content of Internet education. Therefore, the development of autonomous learning after class through the mode of internet teaching can enhance the efficiency and autonomy of learning after class, enrich students'comprehensive knowledge, and direct imparting of important teaching knowledge in class can guarantee the complete learning of students' basic theory.

6. Conclusion and Prospect

Since the birth of the Internet is inseparable from education, internet education has developed through the PC Internet and the mobile Internet to the "Internet +" Internet + development. Now, "Internet +" has been put forward by Premier Li Keqiang in the government work report. He put forward the "Internet +" ingenious plan to promote the mobile Internet, cloud computing, big data and things. Network and other traditional industries. "Internet +" is spreading and permeating all walks of life. In the era of "Internet +", the effective integration of "Internet +" and higher education is inevitable.

Higher education modernization and future development need better higher education. "Internet +" era needs more perfect integration with traditional higher education, that is, the organic combination of "Internet +" and "separation education". In the era of "Internet +", the application of various new technologies has brought a new educational mode to higher education. The online interactive network teaching method can make the classroom of Kun and other education no longer subject to time and space constraints, thus reducing the cost of Kun and other education, improving the popularization rate of higher education, realizing education equity, and providing an effective way to step into higher education for all. New technologies such as big data, cloud computing and Web2.0, which are unique in the Internet plus era, will also bring new services to higher education. Higher education in the "Internet +" era will have platform based services, interactive teaching mode, fragmented learning mode, students' active choice of learning content and learning mode, and greater autonomy in educational activities, while educators are committed to providing better and better quality education services. The development and evolution of higher education, in turn, will more effectively promote the progress and upgrading of Internet technology. Thus, in the era of "Internet +", the development of higher education is constantly upgrading and upgrading based on the upgrading of Internet technology. The two are mutually promoting and integrating development. In the era of "Internet +", the Internet education ecosystem based on the development of higher education will continue to be upgraded. In the near future, we will see the perfection of the Internet Ecosystem, promote the transformation of education equity and higher education from instrumental to professional, and higher education is more dynamic and closer to education in the reform and innovation. Quality.

Acknowledgments

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