Challenges and opportunities of Internet + Education

Baoning Zhang, **Jianhong Peng**

School of Management, Jiujiang University, Jiujiang, Jiangxi, 332005.

Email：2628946017@qq.com

Author information: Zhang Baoning (male, 1995.7-) Haikou, Hainan Nationality: LiUndergraduate, teaching assistant, *research direction*: Business Administration

Peng Jianhong, female (1978.3 --), Han Nationality, Liuyang, Hunan, doctor, lecturer, research direction: higher education

Abstract:With the continuous penetration of the Internet, the role of Internet education in the educational service system is becoming more and more important, but it is also facing more and more development opportunities and challenges. To make up for the shortcomings of traditional teaching, it can also develop into the main way for students to carry out autonomous learning, which is helpful to improve the level of quality education of students in an all-round way, and to promote the balanced and efficient development of education in China.

Keywords: New Crown Epidemic; Internet + Education; Innovation Management

1. Introduction

1.1 "Internet +"

For the first time, the "Internet +" action plan was presented in the 2015 government work report. In the action plan, the key is to effectively link the traditional industries in the development of the Internet with new technologies, to promote industrial transformation and innovation to speed up the optimization and upgrading of traditional industries on the premise of realizing the integration of innovation and development.

"Internet +" can provide important power support for the development of the times, that is, promote the integration and development of traditional industries and Internet industries in an all-round way, and enhance the overall level of social and economic development. Combining the achievements of Internet innovation with the development of different fields of society, comprehensively enhancing the level of development efficiency of traditional industries, will help to better integrate the Internet into the development of different industries, of course, This is also not a mainstream development trend in the future.[1]

1.2 Internet + Education Definition

"Internet + education" is to integrate education with Internet technology organically, and promote the orderly development of education reform on the basis of making full use of information resources. Network, digitization and multimedia are the main characteristics of Internet + education, and openness, sharing and cooperation are the basic characteristics of Internet + education. "Internet + education" is mainly realized by network classroom learning software. Among them, mainly take the network platform as the medium, through the text, the video and so on form will classroom teaching content to publish on the network. In this way, students can learn what they have learned anytime and anywhere. Therefore, in this way of teaching, it is helpful to effectively link the learning of learners in different regions and provide many convenience for people to learn.[2]

"Internet + education" has broken the limitation of time and space, so that students can learn anytime and anywhere, integrate and optimize more resources, let students enjoy more teaching resources while solving the problem of regional teacher differences. It can not only promote the sharing of quality education, but also benefit the students in backward areas to enjoy the fairness and justice of education. Online education is rapidly evolving and upgrading under the urging of the epidemic. Relying on the existing platform to open online learning channels, constantly improve the teaching framework system, enrich teaching resources, and use the "Internet + teaching" model to purchase offline education during the epidemic. This action also urges the change of quality education reform, accelerates the system innovation, and brings new vitality to education and teaching.

2. Challenges and opportunities of Internet + Education

2.1 Opportunities

2.1.1 Break through time and space constraints

"Internet +" background, various new equipment, new technologies have been introduced. Different types of Internet education institutions are developing rapidly, and the degree of openness of educational resources is constantly improving.[3]Whether from the way of learning, or from the connotation of education, there has been a great change. The Internet teaching, compared with the traditional classroom teaching, breaks the limitation of region and time, and helps teachers and students to realize the 3 A teaching and self-study of "any time (anytime), any way (anyway), any place (anywhere)" really. Students can learn through network video resources and text materials, and can also expand according to their own learning needs, which greatly improves students' interest in learning and their ability to explore autonomous learning.In the Internet model, learning as a new cognitive process, teachers use the Internet and experts to study teaching methods and exchange learning content. At the same time, in promoting the innovation and development of education and teaching, we should give full play to the positive influence of information technology in it, and deepen the in-depth and comprehensive cognition of teaching from the content and form level respectively.[4]

2.1.2 Reallocation and integration of educational resources

The Internet can amplify the value of high-quality resources. Teachers teach through the Internet, and the coverage of students gradually extends from dozens below the line to thousands or even tens of thousands. In addition, the Internet can effectively link the latest achievements of different spaces and industries, avoid the problem of low level repetition, and improve the efficiency of research. Against the background of "Internet +", the educational gap will be narrowed day by day due to the difference of time and space and the difference of teachers' strength.

2.1.3 Promoting educational equity

The Internet teaching mode represented by nail, rain classroom and so on has changed the traditional time and space restriction, so as to achieve the effect of resource sharing, promote the balanced and orderly development of education, and give full play to the advantage level of the Internet effectively. A good future of "learning and thinking online schools" to promote education for more families.[5]For example, New Oriental put forward the "100 counties and 100 schools plan ", which uses Internet technology to provide quality educational resources for remote and poor areas to ensure the realization of education work. Under the "Internet + education ", it can provide better quality courses for the regions with weak basic conditions, effectively solve the shortage of teachers and education funds in poor regional schools, so as to effectively promote the fair development of education.

2.1.4 Form Science Teaching Evaluation System

In the traditional teaching, college teachers will assign less homework after class, because the teaching teachers of each class are different, so the teachers can not receive feedback from the course after class and the students' absorption of the main points of knowledge. After teaching, homework can be arranged on the network platform, which can understand the students' knowledge points in time and clearly. After students fill in the answers, they can immediately check the key points of the analysis and investigation of the questions, so as to check the gaps and fill in the gaps.[6] And review after class. This will accurately evaluate each class and the final learning situation of the students, and realize the consistency of teaching and the scientific teaching evaluation system.

2.2 Challenges

2.2.1 Newly selected platform network support is difficult to secure

Internet education includes Internet education learners, Internet education scholars, Internet education environment, Internet education resources, Internet education platform and so on. Learners are the center, teaching scholars are the key, curriculum resources are the core, and platform and environment are the foundation and five in one, which constitute the Internet education system. The investigation found that after the new crown epidemic, many schools online teaching in hardware and software equipment and network environment is particularly embarrassing.[7] Internet teaching has higher requirements for information equipment and network environment, many school facilities can not support or apply to the network platform, the speed of the network can not meet the needs of information teaching under the way of live broadcast. Without strong network hardware support, online learning process will often appear delay, Carton, and even network crash phenomenon. Therefore, how to ensure stable and efficient information network support is also a problem to be solved in online learning. In addition, the newly selected platform teachers and students are not familiar, it is difficult to operate skillfully in a short period of time. In addition, the stability of the platform is unpredictable, technical training and support will be very stressful.

2.2.2 Difficult to screen suitable course resources

The effective development of Internet education depends on online learning resources, and high quality resources are the guarantee to improve the quality of Internet education. The Internet provides rich and diverse learning resources for education, such as video, audio, text, image, e-book and so on. Its presentation is more intuitive, visualized and vivid, and can have a direct impact on the learning effect of the Internet. After the new crown epidemic, many schools of Internet education is facing a particularly embarrassing situation. Although there are a number of high-quality online education resources, such as "one teacher, one excellent course, one lesson, one famous teacher" project, national excellent course project and national fine online open course construction, there are still some problems in other Internet education resources. Therefore, although there are many Internet education resources and platforms, many local schools and teachers are still in the "rice-free pot" awkward situation. Although all kinds of resources at all levels seem very rich, it is not easy to screen out suitable resources for teachers and students, and it is difficult to guarantee quantity and quality. How to ensure that online education resources "can be used well" and online platform "easy to use, effective" is one of the important problems to be solved in the future.

2.2.3 The network environment is different, the school can not completely dominate

With the increase of our country's education to overcome poverty, the Internet education in the poor areas of the central and western regions is developing with each passing day, but the small-scale schools in rural areas are still the "last kilometer" of the development of Internet education in our country ". [8]In 2018, there were 101400 such small rural schools, accounting for 38.52% of the total number of rural primary schools. However, due to the huge investment in the infrastructure and network environment of small-scale rural schools, and the shrinking or even dying of students, the disparity of input and output directly affects the willingness and determination of local governments to invest in the information of small-scale rural schools. At present, the network environment and information equipment of small-scale rural schools are still the deficiency in the development of rural Internet education. In this way, how to alleviate the development of Internet education in small-scale rural schools is the biggest problem in rural education information.

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