Research on Internet Plus Innovative Diversified Education Mode

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Abstract. Analyzing current theories, technologies, applications and practical experience of “internet plus education”, this paper raised an innovative diversified education mode under “internet plus” environment, which is to create a study environment with liberated education information and diversified learners and develop a brand new learning space for the education field.

Introduction

“Internet plus education” thinking has brought revolutionary impact and challenge to traditional education concept. Issues, such as the adaption of education towards the internet plus era, the research on the innovative diversified teaching mode of “internet plus education” and the improvement of public education service level and education quality, are inevitable to deepen the comprehensive reform in education field as well as a realistic subject that massive educators face. Since Premier Li Keqiang first advocated the “internet plus” action plan in the report on the work of the government in 2015, the “internet plus” has soon become a hot word sought after by all sectors of society. As a national strategy, the “internet plus” will definitely grow up to an important drive power in the innovative development of our economy and society in future[1]. Just like many other industries, the education industry is also tremendously influenced by the “internet plus”. As the “internet plus” becomes a national strategy, BAT and other domestic internet predators all set foot in education industry, making “internet plus education” prosperous. However, we, observing various new products and industry patterns, found that a mature “internet plus education” mode with nationwide influence had not yet come into being and actually “internet plus” had not brought much substantive changes to education. Certainly, these will not prevent us from envisioning and exploring the innovative diversified education mode-“internet plus education” [2]. We will combine our research with current big data, cloud computing and mobile internet technology as well as teaching methods, such as Micro Learning Resource, MOOC, Flipped Classroom, Mobile Micro Class and etc, to realize a real change of educational teaching mode and promote digitized, networked and intellective education, further providing a new opportunity of development to the “internet plus education” diversified mode in our domestic education industry.

Connotation of “Internet Plus Education”

“Internet plus education” is based on the respect towards the intrinsic characteristics of education and uses internet thinking and behavior patterns to reshape the teaching mode, content, tool and method of education. It is a kind of integration, re-optimizing and allocating educational resources [3]. Thus, it could lower the study threshold for students, increase teaching level and learning effect and enable education content to update continuously, making the education pattern different and the education evaluation diversified day by day. Micro Learning Resource, MOOC, Flipped Classroom and Mobile Micro Class and etc are exactly the products of “internet plus education”. The essence of “internet plus education” is to deploy new educational teaching mode with the help of “internet plus” technology under the circumstance that teacher and students are not staying together [4]. Such new teaching mode is an innovation to the original teaching structure, realizing the teaching
philosophy that centers students and making teachers the organizer and guider of overall teaching activity.

**Current Major Education Mode of “Internet Plus Education”**

**O2O Mode (Combing Online and Offline Studies)**

Localized education mode is convenient for students at different areas to study. Online education courses could reduce the dependence of educational institutions upon teachers, and the combination between online and offline studies could ensure the improvement of study effect to students.

**B2C platform (Providing Courses It Made to Learners)**

Online educational institutions offer excellent education resource services, such as updating teaching materials and videos to their server.

Centering the university, learners could study courses they need at any time and place, which fully embodying the learner-centered philosophy of modern learning theory. Students coming across a problem could ask for help from teachers online at any time and teachers from online educational institutions answer questions in real time, solving puzzles learners encountered in study timely.

**C2C Platform (One-on-One Instant Interactive Learning)**

It is an interactive platform between learners and teachers through technological environment--instant messengers such as QQ, WeChat, and mode combing network with instant messengers.

In this platform, teachers and learners, as well as teachers and learners respectively, could communicate; teachers could perform online teaching and answer questions at any time and place, as well as cooperate with each other; institutions could discuss with each other. The platform makes money mainly through membership fees, trading commissions, advertising and search-ranking bidding as well as charges in payment process.

**Mooc Platform (Large-Scale Open Online Courses)**

Disregarding where they are, students could participate in learning as long as the internet is available. The open characteristic of the platform is reflected in the open authorization, course structure, study goal and freedom of course registration and exit, as well as free sharing of information, knowledge, viewpoint and thought and so on. Its advantages are: 1. Interactivity is quite strong. Students could participate in the actual operation of online courses, the study of teaching process management provided by the course team and other teaching activities such as rhythm study time, frequent small test, preparing reading and after-class homework, etc. 2. Certificates can be obtained. Students reaching the course requirement could acquire a certificate. Thus it can be seen that the Mooc platform is actually offering an online course trading platform where teachers from universities it recognized will provides courses.

**SNS Platform (Driving Teaching on a Basis of Trust from Social Contract)**

SNS is a new web service helping the internet of web2.0 era to recognize, shape and structure the social interactive network and a VR network community that is built upon real social relations and interpersonal relationships. SNS interactivity can give a more smooth and effective space of communication and cooperation between learners, learners and teachers, learners and subject experts respectively.

Information shares could not only help student to access to resources but also realize the spread of knowledge better. In addition, learners could train the ability of cooperation on SNS. Comments, suggestions and even criticisms could drive learners or help them to find main problems they have in study. SNS sociality also could greatly help learners to improve their abilities of responsiveness and social cognition.
Innovative Diversified Education Mode

We analyze the thought and application mode of the “internet plus education” on a basis of its current theories, technologies, applications and practical experience. We analyze the necessity of applying “internet plus” technologies in teaching from current educational mode and educational information resources, structure teaching and learning environment resting on “internet plus”, integrate current or new teaching resources and provide the “internet plus education” platform with higher effectiveness and better expansibility to teachers and students for realizing a free, personalized and diversified teaching and learning environment.

We will implement the innovative research of diversified education mode through “internet plus” teacher, “internet plus” course, “internet plus” study and “internet plus” teaching.

Internet Plus Teaching

Reply on the internet, the teaching has no longer been limited to fixed place and time. The key is that the external form and structure of teaching has changed fundamentally. School without walls, classroom without desks and class without teachers could be a new way of forming “internet plus teaching”. In addition, the form of traditional teaching, which is organized and mainly instructed by teachers, now could transform to independent study, which students take by fully using the internet resources, such as Flipped Classroom. Such structure make differentiated instruction of teachers and individualized learning of students able to come true.

Internet Plus Study

Depending on the internet, mobile study and ubiquitous learning could be realized. Major features of the “internet plus study”: first, information technology with the internet as the core performs as a support to prop up study; second, study resources enable study activities to fully extend; third, instant feedback tools monitor the study effect; fourth, the accumulation of big data further optimizes the study process. For such study, the essence is not a superficial phenomenon of studying at any time and place but the tremendous change in its concept and form. For students changing from the object to the subject in study and studying with strong subjective wishes, their questions, acceptable methods and anastomotic habit, the effect will certainly not be equated with traditional study.

Internet Plus Teacher

It is a problem that how teachers adapt and respond to the new forms and challenges under the internet environment. It includes three aspects: first, the professional development of teachers must be implanted with an “internet gene”. Teachers must have internet thinking, master the application of information technologies and improve the skill of information technology teaching. Second, the organization form of teaching of teachers must be internet based. It must be able to transform from fixed time and space to online condition and from single mode to multiple mode or mixed mode. Third, new education behaviors and modes, such as crowd funding of teaching, will emerge. Many teaching staff with various instructional skills could gather together, cooperate with each other or work separately through internet for completing a crowd funding of some large educational projects finally. This may become a new normal behavior in future education. Teachers, who contribute their wisdom and teaching skills through internet, may play their teaching influence extremely.

Internet Plus Course

The internet will bring a revolutionary change to the content, external form and organization method of courses. There are abundant resources in the internet that the content of school courses will be greatly expanded. Every aspect of social life and frontier knowledge of each field will rapidly refresh current school-based courses and change the obsolete status of unified courses. Penetrated by the internet technologies, the external package form of courses will become more advanced and tridimensional; medium, visualization, intelligence and interactivity become
characteristics of internet courses that the content of study will be more straight, clear and humanized. The traditional course organization and textbook compilation are closed and tedious. But just like what the Wikipedia has done, in the internet they may be open and completed by experts, who have corresponding credentials and are legally registered. They will use the network platform to cooperate in the organization, compilation and package, thereby making the internet plus course more comprehensive, scientific and diversified.

Summary
With the rapid progress of information technology, the Internet will be able to link everything and the “internet plus education” will be no longer limited to “online education”. Instead, it will bring more and profounder changes to the overall process and each link of education, finally reshaping an open and innovative educational eco-environment. As a teacher, we must comply with the change of the era, seize opportunities and realize the transformation of education and teaching mode so as to welcome the challenge of the era and cultivate comprehensive talents adapting to the era for our country and society.

References

