The Role of Open Resources for Education (ORE) in Current Education System and its Contribution to Education

LE RÔLE DES RESSOURCES OUVERTE POUR L'ÉDUCATION DANS LE SYSTÈME ÉDUCATIF ACTUEL ET SA CONTRIBUTION À L'ÉDUCATION

Zhu Jiang[1,2]

Abstract: The 21st century is an era along with a high developing speed in information science, extremely active flourish in the education thought and more complex enrichment in the education resources. The renewal and breakthrough of the education thought theory and the education resources undoubtedly will give birth to a new profile in education. The modern distance education is just a new education form produced in this situation, which is the main means for people to study all the life in the knowledge economy times, which is also the platform for constructing the knowledge internationalization. The modern distance education not only can conform to the new education idea for life-long studies in the 21st century, but also provide more advanced technical support for educational individuality along with the education popularity process.
Key words: open resources for education(ORE), education resources, traditional education

Résumé: Le 21e siècle est une époque caractérisée par le développement à grande vitesse de la science informatique, l'épanouissement extrêmement actif de la pensée d'éducation et l'enrichissement complexe des ressources éducatives. Le renouvellement et la percée de la théorie éducative et des ressources éducatives ouvriront sans aucun doute une nouvelle perspective pour l'éducation. L'éducation à distance moderne est justement une nouvelle forme d'éducation apparue dans cette situation, qui est le moyen principal d'étudier toute la vie à l'heure de l'économie du savoir, qui sert aussi de la plate-forme pour construire la savoir d'internationalisation. L'éducation à distance moderne non seulement répond à la nouvelle idée d'étudier toute la vie au 21e siècle, mais aussi fournit plus de support technique pour l'individualité éducative et le processus de la démocratisation de l'éducation.
Mots-Clés: ressources ouvertes pour l'éducation, ressources éducatives, éducation traditionnelle

1. INTRODUCTION

In 1920s, some overseas scholars started to pay attention to the long-distance learning research. Dohmen (1967)believed that, the long-distance learning is one kind of self-study forms which has the systematic organization; in this kind of form ,student's consultation and the preparation of study material as well as the guarantee and surveillance of student grade all proceeded by a group of teachers. This group's members all have the high sense of responsibility. Although the media method may eliminate the distance; the media method can cover the very long distance.

Peters's (1973) "the industrialization theory " is one kind of theory which has profound influence in the distance learning circle. Its theory core compares the distance learning to the education's industrialization and technology form , but sums up the traditional, face-to-face and the collective education as the education's front-industrialization form. The distance learning takes highly-developed technology in the

teaching process as its basic characteristic ; it is one kind of method for the transmission of knowledge and the skill manner .It includes labor force division and some organization methods, which massively use the technical media, specially the high quality teaching materials, which can enable the teaching be simultaneously provided for the massive students no matter where they are. It is one kind of industrialization teaching and study form. Michael Grahame Moore (1973) pointed out that the long-distance teaching may be defined as the confluence of teaching method. In this teaching method family, the teaching behavior and the study behavior are implemented separately;it also includes the situation that the student presents carries on contacts. The exchange between the student and the teacher must be promoted by printing, the electron, the machinery and other methods.

From the overseas opening distance learning research we can easily find that the distance learning is relative to the classroom face to face teaching, which is one kind of education form that provides the study opportunity for students who separated with teachers in space. It is not a philosophy idea,but is a practiccal method and education form. It emphasizes the time-space separation and the media teaching, but has not any open requests for other aspects of education. The basic goal of distance learning is to provide the opportunity for the people who cannot receive face-to-face education for some reasons and to guarantee education quality.

The domestic scholars starts the opening education research relatively late ,not before the end of 20 century's .Compared with overseas opening education research we has the comparatively big disparity. Ding Xingfu (1988) proposed that, the distance learning has the following characteristics: The students and the teachers are at the discrete state in the time and the space (know from the traditional education); Media teaching which takes the modern education technology as the foundation occupies the dominant position; The long-distance range education is an item of system engineering, which regards self-study as primary and assist-study as supplementary. To some degree, the long-distance range education has the bidirectional communication and the feedback mechanism between students and teachers (know from become educated through independent study). In the 1990s intermediate stages, our country long-distance educational circles proposed we must realize "openness" and "the modernization". They thought the distance learning and the opening education respectively is two "the set", which have the intersection. The international open university and our country broadcast television university namely belongs to this intersection, in other words, the open university and the broadcast television university have the characteristics of these two kinds of educations ,which mainly manifest in the education openness and the teaching modernization.

This article plans to discuss the role of opening education resources in education system and the contribution of opening education resources to education and theoretically supports the tendency that the opening education will unceasingly develop, and provides the reference for the construction and the management of long-range education resources in practice.

2. THE CHARACTERISTICS OF OPEN RESOURCES FOR EDUCATION

With the quick development of science and economy, and the internationalization of knowledge, the base of competition between countries and nations is the ability of person. The key in the modem education system is training the people who have high quality, the ability of invention and the ability of active thought. Then the thread of the traditional education will be fallen into disuse. Opening education provides an important platform . Of course, the high efficiency of opening education needs the education resource consummating continuously. The important factor of opening education is opening the education resource. The development and make use of the opening educatioin resource will speed up the structure and consummate of the knowledgeable society.

2.1 The opening of study pattern

Students and learning are the center of open education. There is no restriction for students. And kinds of opportunities and resource are opened. Students have decision-making power on the choice of subject, the usage of media, and the mode, the plan, the time and the place of learning. Additionally, rubber overshoes activities won't take place together with learning behavior of student. Teachers and students are not face to face, only contacting via some related data or other equipments which are printed or electronic or mechanical.

2.2 The opening of study resources

The opening distance learning is one method which transmits knowledge and skill through the network medium, and massively uses the technical media, especially uses the high quality teaching material, and carries on the teaching activity under the digital signal environment. No other than these teaching materials and the teaching environment can enable the teaching to be provided simultaneously to a mass of students no matter where they are, which makes the education gradually move towards the democratization, the popularity and optional.

2.3 The opening of teaching pattern

The fact that teachers and students can be separated in time and space emphasizes the separation of time-space and the media teaching, self-study, media teaching which is based on the modern education technology .There exists the bidirectional communication and the feedback mechanism between teachers and students to some extent.

The development of opening distance learning is directly correlated with the development of teaching media and information technology; With the development of information technology and teaching technology，the opening distance learning has experienced three stages：Correspondence education, the broadcast television education, and the modern distance learning which refers to the teaching activity carried on under the digital signal environment by the use of computer network and multimedia technology. Its basic goal is to provide the opportunity to the people which cannot receive face-to-face education for some reasons and to guarantee education quality.

3. THE ROLE OF OPEN RESOURCES FOR EDUCATION IN EDUCATION SYSTEM

3.1 The innovation of open resources for education in traditional education

The use and the effect of open resources for education in education are mainly embodied in the development and the consummation of current education system. The opening distance learning origins from England. The opening education is difference from the traditional education. Traditional education takes the teacher as the center which imparts the knowledge face-to-face in the fixed time, fixed place, advocating "the education standard".

The opening education is the teaching which takes the student as the center; it provides study opportunity for the student in any time and any place, removing and breaking through the study restriction and the barrier which the traditional curriculum created. The traditional teaching is the blackboard and chalk's teaching pattern which imparts knowledge face-to-face,;the teacher needs to teach according to teaching outline step by step,;teachers and students can't be separated in time or space;simultaneously the teaching resources provides to students concentrated, even does not give the choice opportunity for the student; But open education allows the separated time-space between teachers and students, and allows the separation between learner and learning resources, manifesting the opening of education idea, education resources and education process.

As a result of whole opening, student has very big

independency when choosing study content. The teaching resources construction appears especially important. It can provide the foundation and the safeguard for the student's self-study. Obviously, traditional teaching view and teaching pattern cannot adapt the opening education, therefore the teacher must transform traditional teaching view and the student viewpoint, fundamentally understood only provides students with bountiful teaching resources, multiplex curriculum content organization and transmission channel can meet well with the different study need, guarantees the smooth development of TV University teaching, promotes study society's completing.

Opening education made the teacher's role greatly changed. The role of teacher is changed, from the executor of curriculum to the implementer and executor. The understanding in the change of teachers' role will affect whether they participate in development and utilization of curriculum resources. And it plays a positive role. Opening educational resources is characterized by freedom and openness, and its essence is not controlled, not indoctrination or not a simple choice. They break the limit mode of traditional education studies and they provide maximum service and protection for the independent study for learners, the communication in both sides and the realization of the teaching goal.

3.2 The network education is the important platform for the innovation of open education

Along with the development of technical economy, the globalization and multiplication of information network, modern society's goal is to become one knowledge economy which is formidable and full of competitive power. Under this social environment, the opening education inevitably breed, along with it is the naissance of new idea of life-long study. In 21st century, the life-long study has become our survival concept .The open resources for education has provided the prerequisite for the life-long education. Presently, the Open Resources for Education (ORE) is an opening long-distance teaching system which mainly takes the network as backing and multimedia information as transmission medium.

Now, all countries' education has obtained the big development, but the contradiction among society's demand, the relative insufficiency of education resources and the backwardness of teaching method is extremely prominent, especially in Asia, because imbalance of the region economy development causes imbalance of the knowledge structure. The education's scale and quality cannot adapt demand of the fast developed national economy The network education will bring the exciting opportunity to us; the wide spread utilization of internet and the other information equipments will bring the education from the campus and classroom , from university area and national

boundary to the broader world. Each kind of knowledge and the study material will be transmitted through the network and other communications way to students whose domain and nationality are different.This makea all the students can enjoy the same education resources regardless of region environment or education environment, this will help the enhancement of the quality of all the people and the consummation of high level culture society; the entire teaching process will be transformed into the coordination study and work in the network. Now, with the social developing, the lifelong study is an inevitable trend;the disposable study way already could not satisfy the people's the need of renewing the knowledge, we had to form the opening education system which takes the distance learning network as the backing, covers the city and countryside and provides diverse education service for all members regardless of social classes.

4. THE CONTRIBUTION OF OPEN RESOURCES FOR EDUCATION TO EDUCATION

The internationalization of education has brought us an unprecedented opportunity,;using high-quality open educational resources will help education knowledge to be innovated 、 communicated and transformed, promoting updating the pace of the teaching content and methods, promoting thinking and Change of education ideas, upgrading the quality of talent. Universities and teachers of the world are producing learning materials and courses ， and to share ， like the well-known e-learning platform of open educational resources, the joint of expanding connectivity and growing open educational resources is the most potential revolutionary movement. The above has introduced the definition of open educational resources. In my country teaching resources of Radio and Television University have covered the network, which includes teaching content 、 teaching media information resources, information technology services and so on, which embodies open educational resources in China. In other schools in home and abroad good quality educational resources and advanced education ideas provide a very important platform to contemporary education to achieve the society of international knowledge system.

Countries all over the world develop higher education energetically. But For traditional university education, because they lack educational resources and teaching ideas constraints, often they only provide the same curriculum for College students and peer groups .They are not able to provide real applicable to other types of learning or some courses open to other study groups. At present, the current international existing teaching resources are rich, both in face-to-face counseling classes and in the students' self-learning.

Teaching resources can provide learning opportunities and learning environment for different kinds of people. Teachers and students resources in the education have been well used, and have achieved good results. On the one hand, it makes teachers' Counseling methods more diversified. On the other hand, it is also effective in mobilizing the enthusiasm of students.

4.1 Teaching content and innovative of teaching methods

logical teaching content better embodies digest knowledge. Students can grasp knowledge according to their own processes; The diversity of teaching methods, text in Educational resources, graphics, images, audio, video and other multimedia teaching software are combined by advanced technology organically, Simulated reality, Students used a variety of senses and Three-dimensional accepted, Understood and consolidated by students.

4.2 Networks media education has provided the realistic and effective way for the realization of individuality education

The utilization of massive media education resources will change the traditional educational pattern, and will bring along student's enthusiasm and study interest. Moreover the teacher may also through network tools, such as: BBS, E-mail, proposes the corresponding personalized suggestions to the different students, the prominent personalization meant provides the environment for individual innovation. In addition, the student also can utilize the writing teaching material, the net resources, VCD and so on to carry on the study. By the use of network teaching resources (for example: the online test) ,they can examine their own study situation, and find their own insufficiency in time, thus draw up study plan,. Under the combination of teacher's guidance and student's self-study, teacher's teaching quality and student's study efficiency will be improved inevitably. The tradition teaching pattern cannot achieve it.

4.3 The realization of international education 一mutually studies, resources sharing

Because of the historical reason and the inequality of economy the education level and the education resources also have the very big difference. The advanced education resources may transmit the high quality education material and the resources through the network for world each place, providing the more education resources for the people living in those areas or nations whose education resources are deficient. In the network, between the information resource and the user, the user and the user may carry on

omni-directional interaction. Virtual network is more advantageous to the student proposes the difficulty and the original opinion. This forms the sharp contrast with the tedious classroom atmosphere in traditional teaching pattern.

4.4 The innovation which ORE brings for the educational pattern

Not only do the open resources for education use the advanced information technology under the advanced education theory instruction, the advanced education method for the enhancement of education quality and the development of education depth and the breadth, they also promote student's creativity and enhance the ability of solving actual problem through the culture of student's independent learning capability and the practice. The education system which produced along with the open resources for education is one kind of brand-new education pattern. This kind of pattern greatly changes student's study idea, teacher's teaching method and the education management system and, the experience accumulated in the utilization process of education resources can be used for reference to the development of traditional education pattern.

5. CONCLUSIONS

Opening educational resources--this revolutionary movement has changed the latent educational mode. However, the problem of sustainable development for opening resources for education becomes people's concern. Education resources sharing will provide vaster data resources and a larger choice space. To be more efficiently, as mentioned in the text that a teaching method of regarding students as most important is to make teaching resources become studying resources , and to make an actual classroom study change into an on-line study, to improve the quality of agency education and finally let more people get the chances of being educated. But there is still desparity in opening educational resources between our nation and OECD countries. According to this, we should stand bringing in excellent educational resources from abroad, for the all-round development of education and the ability to create in order to enhance the quality of education and international competitiveness, and bring up a new generation that our modernization urgently needs, a generation that will push Chinese education to a road of healthy development, in the mean time promote the perfection and development of education resources.

REFERENCES

Liu Fanfeng & Xu Hui. Analysis of the Development of Modern Distance Education Theory. *Journal of Comparative Education Research*, 2002(3): (In Chinese)

Qiu Huilin．Analysis of the Construction of Internet Educational Resources. *Journal of China Distance Education*, 2005(2): (In Chinese)

Wu Jie．*Principles of the Construction of Open Resources for Education in Radio and Television University*. East China Normal University Press, 2004(4): (In Chinese)

Chen Zhenna. Research on the Modern Distance and Open Education. *Journal of Xiamen Radio-Television University*, 2004(1) : (In Chinese)

Ren Weimin. Suggestions to develop China Modern Distance and Open Education and the Construction of Educational Resources. *Journal of China Distance Education*, 2000(5) : (In Chinese)

Jiang Shengwan．The Basic Concepts of Modern Distance and Open Education. *Academic Forum*, 2004(8) : (In Chinese)

Li Kang. Views on the Theory of Modern Distance and Open Education. *Journal of China Distance Education*, 2004(9) : (In Chinese)

Li Pingping. Explorer to Construct the Modern Distance and Open Educational System. *Journal of Modern Distance Education*, 2003(1) : (In Chinese)

Bynner, J.. The Rise of Open Learning: a UK Approach to Work-related Education and Training. *International Journal of Life-long Education*, 1996 (10)

Bates, A. W.. *Open Learning and Distance Education*. London: Rout-ledge, 1995

THE AUTHOR

Zhu Jiang, Male, Sichuan Superior Business Administration Specialized. Comission, China.

Address: NO.77 Mailbox No.43 Guanghuacun Street,Chengdu City, Sichuan Province, P.R. China.

E-mail: cd007zj@126.com