Research on International Talent Training Mode Based on Internet Plus and Big Data

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Abstract. In order to cultivate internationalized professionals with international standard and comprehensive quality in the new era, this paper has put forward an international talent training mode based on Internet plus and big data. It has analyzed the research status and development trend at home and abroad, given the specific research object, content and research objectives, and proposed the key problem solutions. The function and significance of this study have been discussed, and the value and effect of application have been given. It has been proved that the conclusion of this paper is correct and feasible. The research results can provide reference for the construction of international talents training mode.

Introduction

The Internet plus big data strategy has brought opportunities and challenges for China's higher education, and pushed education towards networking, digitalization and modernization. The Outline of National Medium and Long Term Educational Reform and Development Plan (2010-2020) puts forward that China's higher education should train a large number of International talents who have international vision, are familiar with international rules and can participate in international affairs and international competition to meet the requirements of international economic and social opening-up in 2020 [1]. It is a severe task for higher education to cultivate international professionals with international standards and comprehensive qualities facing the new international situation.

There are no Monographs and not many literatures on International talent training mode based on Internet plus and big data in China [2]. There is a lack of systematic research in the related researches [3]. It does not highlight the characteristics of international talent training. There is a lack of comprehensive, systematic and comprehensive research on International talent training mode from theory to practice [4].

There has been a successful attempt and precedent for improving teaching and learning in Internet plus and big data in foreign countries [5]. Many western countries use the Internet to realize the strategic choice of human resources power, rapid economic and social development. Britain, the United States, Singapore, Japan and other countries have made remarkable achievements in courses integration, digital learning resources, and information management and so on[6].

The Canadian government attaches great importance to the innovation of Internet, information technology and courses models. The Vancouver Information Technology Report clearly states that information technology can create student-centered and teacher-led learning environments that are linked to a wide range of communities [5, 6].

Under the background of Internet plus, the mode of Internet plus and big data can further deepen educational reform and integrate all kinds of high-quality international educational resources. Domestic colleges and universities can more conveniently obtain the required educational resources, innovated talent training mode, and reconstruct the ecological environment and system of higher education. Therefore, the popularization and application of modern educational technology...
based on Internet plus and big data in International talent training will be the development trend of International talent training mode in the future.

Main Contents

Educational Ideas and Forms
In the era of Internet plus and big data, the idea of student centered education should be constructed to maximize the learners' personalized and diversified learning needs in Internet. Educational resources can be shared across space through the Internet, that is, the use of Internet technology can break the gap between domestic and foreign regions, integrate the existing domestic and foreign teaching content and the resources of online courses, and form a model of courses selection and mutual recognition of learning results. The Internet has broadened the form of education, online courses, distance education, open classrooms and other learning methods have been widely used, learners can share educational resources, share learning experience with others, but also to self-evaluation of learning results.

Teacher Role
In order to change the traditional teacher-centered teaching mode, the role of teachers has changed from the leading role in teaching to the assistant and server of students’ learning and teaching has changed from simple knowledge teaching to interactive teaching. Teachers should keep pace with the times, have an international perspective and national strategic awareness, grasp advanced educational idea, attach importance to their professional development, and always realize their historical mission of inheriting Chinese culture.

Courses System
The courses system of International talent training based on Internet plus and big data should include professional knowledge, intercultural communication ability, humanistic quality and information technology application ability. We should increase the module of international courses. Excellent teachers are selected annually to take courses at the forefront of the disciplines in foreign first-class universities through international cooperation in running schools, so as to realize the overall transplantation or introduction of courses, improve the international content of courses, bring in international excellent educational resources and introduce them to our students. In course offered, integrating professional teaching with modern information technology and making full use of online network resources are beneficial to supplement classroom teaching content, and conform to the characteristics of Internet plus and big data era.

Teaching Model
We should make full use of Internet resources, find teaching resources and teachers that foreign universities can cooperate with, and cultivate talents with international vision and strong professional ability by means of distance education, open classroom, online learning and mutual visits and so on. Focusing on the goal of international talent training, we have further explored and practiced course offered and management, teacher construction and management, teaching management, student management and system standardization and improvement and so on.

Achieved Goals

Resource Integration
At present, the international talent training urgently needs to integrate domestic and foreign resources, giving full play to their advantages and realizing leap-forward development.
Personalized Teaching is Realized
Making full use of Internet plus and big data, teaching administrators can better understand different students and understand the real learning situation of each student, and provide them with high-quality, personalized educational resources, and constantly achieve educational equity.

An International Teaching platform Has Been Established
By making use of the characteristics of the Internet, such as high efficiency, fast speed and convenient dissemination, a platform for students’ learning and communication has been constructed, which has increased students' international knowledge, broadened their horizons, enlightened their wisdom, stimulated their curiosity for knowledge and motivation for learning, and promoted the process of international wisdom education.

A New International Talent Training Mode
An international talent training model has been established with empirical research as the forerunner and the Internet as the platform on the basis of constructivist learning theory.

The Idea and Service Consciousness of Sino Foreign Cooperation in Running Schools Were Reconstructed
In the teaching process, it fully embodies the effectiveness of international personnel training, and promotes the comprehensiveness, selectivity, times, compatibility and internalization of the personnel training process.

Ensuring the Improvement of the Personnel Training Quality
The relevant data are collected, evaluated and analyzed, so as to grasp the impact of Internet plus and big data on talent training. In the process of teaching and learning, the infiltration and integration of international educational philosophy is fully reflected.

Achievements
Absorb Internet Plus and Big Data Technology to Enhance Educational Idea
It has deepened the cooperation and exchanges between domestic and foreign universities, improved the international level of running schools, innovated talents training mode, optimized the integration of teaching and scientific research resources, and realized resources sharing.

Integrating Internet Plus and Big Data Technology to Open Educational Resources
Teachers can update their knowledge, enrich their teaching contents and teach the most advanced research results by using a large number of domestic and foreign learning resources provided by the Internet plus education big data in time. Students can choose domestic and foreign learning resources according to their own preferences and development aspirations, and broaden their international vision.

Forging Internet Plus and Big Data Technology to Improve the Quality of Talents
We should cultivate the thinking mode of Internet plus and big data for university teachers, absorb advanced ideas, broaden the international perspective, and improve work efficiency and teaching quality.

Promoting the Process Reengineering of Higher Education Organizations
It breaks through the time and geographical boundaries of traditional higher education mode based on the advantages of Internet plus and big data resources, and strengthens the deep integration of Internet + and big data and higher education. They are embedded and overlapped with each other, and have reconstructed the new organizational ecology, development model and corresponding courses system, teaching system, learning system and evaluation system of modern higher education.
Promoting Value Transfer, Value Sharing and Value Creation of Higher Education Resources

Higher education must use the thinking of innovation, opening and sharing of the Internet to promote the reform of higher education and the internationalization of higher education in China.

Summary

The characteristic of the paper is to integrate international and intercultural knowledge and idea into personnel training under the guidance of the concept of internationalization, and use Internet plus and big data technology to deepen the construction of training plan, teaching elements, teaching resources, teaching staff and so on, aiming at cultivating students' international concepts, vision and skills. The international talent training mode based on Internet plus and big data has been innovated, and the "cross type, compound and applied" three talents training mode with international vision has been constructed. The education and teaching management mode based on Internet plus and big data has been innovated to achieve the optimization of education and teaching effect and promote the personalized development of students.

The research results of this paper have wide application value. They will help to improve international talent training mode, meet the needs of international talents training of "cross type, compound type and application type" in the new period and improve the quality of personnel training, guide the revision of training plan, educational process, teaching management, evaluation mechanism, teaching elements, personnel training, teaching methods, etc. It can be expected that it will open a major transformation and transformation of international talent training mode with the deep integration of Internet plus and big data.

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References

[1] Zheng Ying, Research on the cultivation of internationalization foreign language talents in higher education under the "Internet plus" background, Journal of Jiamusi Career Academy. 2 (2017) 256-257.

[2] Liu Cailing, Research on the innovation path of "Internet +" internationalization education and teaching, Theory and Practice of Contemporary Education. 11 (2016) 92-93.

[3] Zhou Quan, Internationalization of higher education in the era of "Internet +", Course Education Research. 34 (2017) 254-255.

[4] Wen Jun, Internationalization of Higher Education under the perspective of "Internet +", China Higher Education. 5 (2017) 22-24.

[5] Dan Shengjiang, Fu Da Yuan, Shen Yanfei, Internationalization development of higher education curriculum based on "Internet +", Western China Quality Education. 20 (2017) 14-15.

[6] Hong-li Niu, Internet+Big Educational Data Based Innovation of the Teaching on Correspondence, EMASS 2016. 11 (2016) 404-409.