

Data mining in traditional sports talent training program decision making

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Abstract. Operation mechanism for cooperation and communication among multiple private colleges has been studied and explored by taking cooperation and communication among computer majors in part of private colleges in Zhuhai area as research object and by taking research on cultivation mode of computer application-oriented talents among various colleges as topic. Based on this, cooperation and co-construction of private colleges in teacher team, teaching material construction, laboratory construction and construction of practice training base etc. as well as resource integration and sharing mode etc. have been explored and then make a series of innovation practice and research.

Exploration of Intercollegiate Cooperation among Private Colleges

Private college is an important component for our education development. National education department and governments at all levels have provided great support for the healthy development of private college, but the private college still faces a lot of difficulties in the development process, especially affected by inadequate funds for school running, poor school running conditions, unstable teacher team and unreasonable structure etc, which restrict construction speed of discipline and improvement of talents cultivation quality seriously in private college. The cultivation of computer application-oriented talents in private college also faces similar problems. Because of weak teacher team and unreasonable structure, the construction of discipline specialty started late, developed slowly; talents cultivation program and curriculum system follow the modes of first-tier college and second-tier college, so the cultivation target of private college is not clear and the positioning is not accurate; influenced by inadequate fund of school running, the experimental equipment can't meet the requirements of teaching practice and practice process of practice training etc. is in serious shortage, which has caused the great difference between cultivated students and social demands, low cultivation quality of students and the low degree of overall social satisfaction.

Above problems have already aroused the attention of each private college and to change this phenomenon, all colleges have made many researches and reforms. Especially under the big background of national education department proposing "transforming to application-oriented colleges", each private college has made a lot of efforts and attained a great number of achievements in talent cultivation program, curriculum adjustment, teaching reform, construction of teacher team and cooperation between schools and enterprises etc. based on own positioning of talents cultivation target and application characteristics.

The development of private college needs the continuous policy and funds support of governments on one hand; on the other hand, the private college also needs to increase investment in school running, put emphasis on teacher team construction, strengthen connotation construction and improve education quality comprehensively. However, because the school running conditions and development situations of private colleges are different, the cultivation qualities of talents of different schools are also different; moreover, under current situation (even in a relatively long period of time), the problems of private colleges in the aspects of investment of school running and construction of teacher team etc. need to be solved urgently will continue to bother and affect the development of private colleges.

At present, the development of private college has aroused the great attention of national

educational department, governments at each level and social communities; how to promote the healthy development of private college has become one of the focuses of attention. But research on resources integration and co-construction mechanism of private college by taking intercollegiate communication and cooperation as subject is still blank.

Therefore, it is necessary to establish an operation mechanism with cooperative communication and common development for private education with a new school running system which not only has no experience for reference but also different from public colleges and universities through implementing intercollegiate communication and cooperation, mutual learning, drawing on strong points and making up for weak points of others, experience exchange and mutual improvement. At the same time, on the basis of cooperation and communication among private colleges, study and explore the co-construction among private colleges in teacher team, construction of teaching material, laboratory construction and practice and training base etc; maximum integration and sharing of resource, which will play an active role in promoting the healthy and rapid development of private college education.

Background and Theoretical Basis of Intercollegiate Cooperation among Private Colleges

In Jun. 2014, the State Council has published “Decisions about Speeding up the Development of Modern Vocational Education” (hereinafter referred to as “Decisions”) and made comprehensive deployment to speed up the development of modern vocational education. “Decisions” have proposed to strengthen and confirm the important position of vocational education in national talents cultivation system, take service development as purpose, take employment promotion as guidance, adapt to technology advancement, reform of production method and needs of social public service and cultivate billions of high-quality labors and technical talents. The top issue is to speed up the construction of modern vocational education system. Make integrated development of vocational education at each level and guide a batch of common undergraduate schools transforming to colleges of application technology.

Under the background of transformation, the construction development of private colleges needs to consider about teacher team, subject construction, teaching quality, scientific research work, condition of school running, laboratory construction, practice teaching system, practice training base out of school etc. comprehensively. The positioning of talents cultivation target of computer major should be accurate and form local, practical and service characteristics for school running. Research on the talents cultivation mode of private colleges based on intercollegiate cooperation is an important attempt under transformation background.

Practice Exploration Research on Intercollegiate Cooperation

Initial Practice of Intercollegiate Cooperation

(1) Wuchang Institute of Technology published Zhuhai private college information science cooperative alliance proposal in July 2013, started private college cooperative alliance program of Zhuhai area formally, and established cooperative alliance organization in Apr. 2014. Wuchang Institute of Technology, Zhuhai Technology and Business University, Chutian College of Huazhong Agricultural University, Liberal Arts College of Jianhan University and other more than ten private colleges and independent colleges established intercollegiate communication and cooperative operation mechanism for private colleges and made charters of Zhuhai private college information science cooperative alliance (trial). It strives to make more private colleges (above 2/3) in Zhuhai to join in the cooperative alliance within two to three years and make it become the influencing mass organization among private colleges in Zhuhai.

(2) In May. 2014, cooperative alliance organized to write application-oriented undergraduate teaching material jointly, confirmed the editor list of teaching material with nine colleges included of Zhuhai private college information science cooperative alliance and finally confirmed the intercollegiate joint writing work with seven textbooks included. The textbook publishing cooperated with China Machine Press and planned to publish all in 2017 and commonly applied in

multiple colleges.

(3) To strengthen the intercollegiate cooperation and communication among private colleges in Zhuhai and promote the improvement of cultivation quality of application-oriented talents of computer and other related majors, in Mar. 2015, “Implementation of Graduation (Design) Thesis Joint Defense Working Conference of Three Colleges” has been held in Zhuhai Industry and Business College with leaders participation of School of Information Science and Engineering of Wuchang Branch of Huazhong University of Science and Technology, School of Information Engineering of Zhuhai College of Technology and Business as well as School of Information Engineering of Wuchang Institute of Technology, where it has determined to make pilot run of graduation (design) thesis joint defense work of college students among multiple colleges from 2015, promote guidance work of college students graduation (design) thesis among multiple colleges and improve the quality of graduation (design) thesis. Joint defense work can be divided into two categories: exchange of teachers for joint defense and excellent thesis defense with common organization. At present, the intercollegiate joint defense work of 2015 and 2016 has been accomplished successfully.

(4) Zhuhai Industry and Business College and Wuchang Institute of Technology implement communication and cooperation of intercollegiate teaching and research actively in recently years, plan to apply for three to five teaching and scientific researches jointly and promote joint preparation of course and entrance examination within main subjects and assign teachers for lectures mutually; at the same time, establish laboratory with Wuchang Donghu Institute jointly, deepen cooperation between schools and enterprises and share practice base together; talents cultivation program moves forward towards reasonable type location, layer location, subject location and profession location with distinctive characteristics.

Deep Research on Intercollegiate Cooperation

College cooperation platform has been constructed initially, following cooperative alliance program has been revised and implemented continuously, cooperative alliance organization operates well. With the continuous deepening cooperation among multiple colleges as well as continuous expansion of co-construction teacher team, the construction of major has been strengthened, the teaching quality has been improved steadily, research work has made numerous achievements, the school-running conditions have been improved continuously, the construction of laboratory has been strengthened continuously, practical teaching system has been improved continuously, practice and training base out of school has been strengthened continuously and positioning of talents cultivation is accurate and forms school running with local, practical and service characters.

Following reflections have been made for further strengthening of intercollegiate cooperation:

(1) Play the role of college cooperation and communication platform of computer major in private college fully; study, explore and improve the cooperative communication and operation mechanism among private colleges continuously; study the cooperation and communication mode among colleges with characteristics of private colleges in Zhuhai through communication and cooperation of subjects construction and application transformation and development among private colleges; promote common development and provide references for the sustainable development of private college education.

(2) Promote the research and practice of private colleges in the aspects of talents cultivation program, construction of curriculum system and positioning of cultivation targets etc; make application-oriented talents cultivation program and curriculum system with local characteristics and promote major construction.

(3) Implement research on teaching method and teaching activities as well as mutual lectures among colleges, strengthen study and communication among teachers, promote improvement of teaching level and research ability of teachers and promote construction of teacher team in private colleges through implementing communication and cooperation in the aspects of teaching and research among multiple colleges. At the same time, explore and study the sharing mechanism of teacher resources among private colleges and play the active driving and promotion roles.

(4) Promote the communication and cooperation mode of private colleges in laboratory

construction and management, co-construction of practice and training base, employment of students and cooperation among colleges and enterprises etc. actively and then promote the all-around cooperation and communication among private colleges in each teaching process and promote resource sharing and common development.

(5) Organize and implement various extracurricular science and technology activities as well as science and technology competitions for college students among private colleges; organize cooperation and communication among college students of different schools, which is helpful to promote the implementation of science and technology innovation activities among students in private colleges, promote school tradition construction of each private college and improve the cultivation quality of computer application-oriented talents.

Conclusion

It is the first time to study and discuss the talents cultivation mode of the same major among multiple private colleges. Under the background of application transformation and development, it is a meaningful research and exploration to extend the practice research on cultivation of application-oriented talents from single college to multiple colleges.

It needs to implement a series of usage and communication practices, including exchange of teacher lectures, joint defense of thesis, university cooperation of research, co-construction of practice base and common guiding of extracurricular scientific innovation etc. to explore the talents cultivation mode of computer major among colleges. How to organize and plan, implement, evaluate and summarize these practices belongs to the brand new teaching practice and research category.

The sharing of teacher resources, cooperation of teaching material writing, co-construction of practice and training base proposed in this paper is a bold attempt and has great enlightenment significance in the development process of private college under the situation of private college development bothered and affected by common problems of inadequate funds of school running and weak teacher team etc.

Private college is a new thing in the development process of our higher education. Traditional research object is usually based on individual college and this subject expands the vision boldly to study multiple private colleges. Through the implementation of innovated teaching practice, the created theoretical value and practical value can't be attained by research on the selection of a single university; at the same time, it provides powerful reference for cooperative education expanding to the same major or other research fields and provides great reference for the development of private colleges in Zhuhai area and even the development of private colleges in other areas.

Reference

- [1] Jinyu Hu and Zhiwei Gao. Distinction immune genes of hepatitis-induced hepatocellular carcinoma[J]. *Bioinformatics*, 2012, 28(24): 3191-3194.
- [2] Jiang, D., Ying, X., Han, Y., & Lv, Z. (2016). Collaborative multi-hop routing in cognitive wireless networks. *Wireless personal communications*, 86(2), 901-923.
- [3] Lv, Z., Tek, A., Da Silva, F., Empereur-Mot, C., Chavent, M., & Baaden, M. (2013). Game on, science-how video game technology may help biologists tackle visualization challenges. *PLoS one*, 8(3), e57990.
- [4] Jiang, D., Xu, Z., & Lv, Z. (2015). A multicast delivery approach with minimum energy consumption for wireless multi-hop networks. *Telecommunication systems*, 1-12.
- [5] Lv, Z., Chirivella, J., & Gagliardo, P. (2016). Bigdata Oriented Multimedia Mobile Health Applications. *Journal of medical systems*, 40(5), 1-10.