

Research on the Construction of Faculty for the Deep Integration of Artificial Intelligence and Education in the Context of New Liberal Arts

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Abstract. In the context of the reform of university education and teaching, the key link and important guarantee of the faculty construction among them. The article specifically combines the current background of the construction of new liberal arts and the real environment of the deep integration of artificial intelligence and education, analyzes the current situation of faculty construction, identifies the dilemmas in its construction, and proposes construction strategies, hoping to provide some reference and reference for relevant personnel.

Keywords: New Liberal Arts; Artificial Intelligence; Faculty Development; Strategies.

1. Introduction

At present, the construction of new liberal arts is in full swing, and the new in new liberal arts is mainly reflected in the interdisciplinary, knowledge application, and applicable national conditions, specifically in personnel training, curriculum construction, and connotation interpretation, etc. It is necessary to combine the characteristics of each specific specialty and study specific disciplines. In the context of the new liberal arts construction, teachers are required to deal with the three disciplinary functions of knowledge seeking, education and service, to strengthen the application of technology and interdisciplinary integration, and to cultivate high quality talents with strong applicability and application ability. The background of the new liberal arts construction can effectively respond to the current realistic needs of the country and society for high-quality liberal arts talents, and on this basis, it is extremely important to do a good job in building the faculty[1]. With the 3rd wave of artificial intelligence sweeping the world, the application of artificial intelligence in the field of education and teaching has become more extensive and popular. Under the deep integration of AI and education, it also provides new ideas and new ways for the construction of teachers, and can inject new development momentum into the construction of high-quality and innovative teachers in the context of new liberal arts.

2. Requirements for Faculty Construction for the Deep Integration of Artificial Intelligence and Education in the Context of New Liberal Arts

(1) The requirements for the construction of university faculty in the context of the new liberal arts

As a top-down national strategy and national project, the overall goal of the new liberal arts construction lies in promoting the innovative development of liberal arts education. It is necessary to build a new pattern for the development of philosophy and social sciences with the cultivation of people and talents as the center. In terms of faculty construction, we need to start from the three core contents of talent cultivation, scientific research, and social service, consolidate the foundation of talent cultivation, and refine and explore the new requirements for university teachers in the context of the new liberal arts[2].

(2) The deep integration of artificial intelligence and education under the requirements for faculty construction

The deep integration of artificial intelligence and education has brought significant impact and changes to the talent training education teaching scientific research, as well as teacher development and cultural construction in universities[3]. In the new era, it is necessary to combine the new demand for talent cultivation in the new era, continue to strengthen the concept of ability-oriented talent

cultivation, and make the deep integration of AI and education an endogenous force to support education to achieve systemic changes, promote the in-depth development of education modernization, and better provide Chinese wisdom and Chinese solutions for international education informatization. It is necessary to combine the current stage of China's university faculty construction, actively expand the application space of AI + faculty construction, give full play to the advantages of using information technology, vigorously carry out the project of improving teachers' ability to apply information technology, so that AI technology can play a role in teacher training education teaching team management and other aspects.

3. The Dilemma of Faculty Construction for the Deep Integration of Artificial Intelligence and Education in the Context of New Liberal Arts

(1) Teachers are concerned about the new liberal arts background, artificial intelligence and other topics but not enough action

In the context of the construction of the new liberal arts, the national attention to philosophy and social science majors has been strengthened, and the teachers' attention to and understanding of the construction of the new liberal arts has also been increased. However, many teachers are only aware of the national strategic deployment and the relevant literature, but they do not think deeply about how to adjust and optimize their teaching and research work based on the trend of the new liberal arts construction. At present, the faculty generally has the problem of paying more attention to the construction of new liberal arts, but not enough actual action ability and low quality of attention. Along with the rapid development of the new generation of artificial intelligence technology, various new industries and new business models also continue to emerge, and the deep integration of artificial intelligence and education drives college teachers to change their teaching concepts, update their teaching methods and optimize their teaching mode in teaching[4]. In the construction of college teachers, it is also necessary to combine AI technology with remote modern technology to do a good job of updating and optimization, but at present, the characteristics of information technology in the construction of teachers are not yet prominent, and the fit between information technology and teacher training content is not enough.

(2) Insufficient ability of teachers to integrate new technologies and new technologies with the profession

In the "Declaration on the Construction of New Liberal Arts", the deep integration of new technologies and liberal arts majors is clearly proposed, and it is pointed out that the construction of liberal arts should be promoted by driving the optimization and upgrading of majors with the empowering advantages of new technologies. At present, many university teachers have extremely limited understanding of artificial intelligence, cloud computing, big data and other technologies, and most of them have limited channels to learn new technologies, and lack of time and energy, so it is difficult to integrate new technologies with the teaching of this major, and there are big problems in the construction of the discipline.

(3) Teachers' subject backgrounds are relatively homogeneous, and their learning abilities and learning channels are insufficient

In the context of the construction of the new liberal arts, one of the major grasps is the cross-fertilization between disciplines, which is also closely related to the current social reality that social problems are increasingly complex and integrated. Under the trend of new liberal arts construction, it is necessary to break through disciplinary barriers, to drive cross-fertilization between liberal arts majors and between liberal arts and science, agriculture and medicine, and to promote the development of multidisciplinary integration. However, the vast majority of liberal arts teachers have a single background in disciplinary specialties and lack the willingness to cross-fertilize disciplines, making it more difficult to implement disciplinary crossover[5].

4. Strategies for Building Faculty for the Deep Integration of Artificial Intelligence and Education in the Context of New Liberal Arts

(1) Raising the correct awareness of teachers about the new liberal arts and artificial intelligence, etc.

To promote the construction of faculty for the deep integration of artificial intelligence and education in the context of the new liberal arts, it is necessary to first improve teachers' correct understanding of the construction of the new liberal arts and enhance their correct understanding of artificial intelligence technology and information technology. At present, the teachers' cognition of the new liberal arts construction is shallow, and it is difficult to accurately locate the connotation and development demands of the new liberal arts construction, which also makes their future work direction unclear in their own growth and their willingness to participate in the new liberal arts construction is not strong. In this regard, the university should do a good job of propaganda and guidance in faculty construction, combining campus propaganda, teacher lectures, special seminars and collective training to strengthen teachers' in-depth understanding of the new liberal arts construction and artificial intelligence technology, etc., and gradually help teachers build up liberal arts self-confidence so that they can form an awareness of the new liberal arts construction. At the same time, we should organize all faculties and departments in a planned manner, combine specific disciplines and specific majors, check the gaps, make practical discipline construction plans, align with the requirements of the new liberal arts construction, adjust the work plan work direction, and improve the ability and level of the new liberal arts construction of the faculty.

(2) Establishing a sound incentive mechanism for teachers' growth to enhance their sense of enterprise

Along with the gradual advancement of China's higher education informatization cause, new achievements have been made in the application mode of higher education informatization and informatization development and ideas. The informatization application ability and technical level of higher education teachers have also been effectively progressed and improved, which has laid a solid foundation for the high-quality development of higher education informatization in China. In the context of the construction of new liberal arts, to carry out faculty construction, it is necessary to focus on the performance assessment of teachers, to comprehensively and objectively understand the AI technology level and study and training needs of the majority of teachers, to build a perfect assessment and evaluation index of informatization application ability, to build study and training files for teachers, and to correlate the assessment results of teachers' informatization ability with teachers' annual assessment, title promotion, and post employment. Make the assessment and evaluation play the proper role of education guidance and incentive warning. It is necessary to establish and improve the assessment methods of teacher training under the deep integration of AI and education, organize teachers to conduct regular training self-examination, establish and improve the incentive mechanism for teacher growth, and promote the high-quality development of teacher training.

(3) actively expand the resource platform support system for teachers' growth and development

For colleges and universities, we should combine the requirements of the new liberal arts construction, change the previous evaluation orientation of emphasizing scientific research and neglecting teaching, and create a resource platform for teachers' growth. It is necessary to combine the teaching changes brought by the construction of new liberal arts, the actual teaching needs of teachers and the needs of scientific research, optimize educational and teaching resources, provide hardware and software support for teachers to implement intelligent teaching, provide a platform for communication and cooperation between teachers of different majors and disciplines, and better promote the construction of academic communities. Universities should actively explore the role of AI technology in promoting the reform of teacher team management and evaluation, establish teacher development centers, improve pre-service training, in-service training and post-service training for teachers, encourage teachers to actively participate in new liberal arts construction projects, and actively use AI technology to optimize teaching.

5. Summary

Promoting the training and construction of college teachers is an inevitable requirement for implementing the construction of college teachers in the background of new liberal arts, and it is also an important guarantee for improving teachers' teaching ability, enhancing teachers' moral cultivation and improving teachers' teaching informatization level. A high-quality teacher team can better cultivate and shape a high-quality student team. Universities should focus on the needs of teachers' career development, combine the background of the construction of new liberal arts and the realistic environment of the deep integration of artificial intelligence and education, effectively play the revolutionary influence of the new generation of artificial intelligence technology on the field of education and teaching in universities, strive to promote the renewal of teachers' teaching concept, teaching mode and teaching method, and continuously build We will make efforts to promote the renewal of teachers' teaching concept, teaching mode and teaching method, and build a high-quality and innovative teaching team.

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