Study on the evolution and development path of educational technology under the background of new liberal arts construction

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Abstract: Educational technology is the most closely related discipline with information technology, which has made great contributions to the development of our country's education. In the context of the new liberal arts construction, educational technology majors in our country face an important era topic. The new liberal arts in the modern sense is under the background of the new scientific and technological revolution. It emphasizes the integration of disciplines and the innovation of knowledge theory in the discipline connotation, and emphasizes the cultivation of all mankind in the goal and task, so as to guide and serve the needs of society. In view of this, this paper analyzes the transmutation status of educational technology in colleges and universities in our country under the background of the new liberal arts construction, and analyzes the development path from three aspects: understanding the data change of educational technology, valuing the integration of humanistic spirit teaching and passing on the outstanding traditional culture, so as to provide certain guidance for the society to cultivate professionals in educational technology.

1. Introduction

The new liberal arts, also known as humanistic (philosophical) sociology, is the study of phenomena related to individual and social development and their values and laws. Like the natural sciences, the humanities and social sciences are also an important aspect of the development of science and technology. Its degree of development is the concentrated embodiment of a nation's thinking ability, spiritual quality and civilized quality, and the concentrated embodiment of a nation's overall development ability. The "new liberal arts" is the opposite of the "traditional liberal arts" and is a dynamic concept, which is also changing with the passage of time[1]. Since the 1990s, domestic scholars have proposed and adopted the concept of "new liberal arts". Compared with the traditional liberal arts majors -- literature, history and philosophy, it includes politics, economy and law after the reform. It emphasizes the practicability of liberal arts majors, and puts emphasis on social needs and practicability in professional aspects. In the way of personnel training, the focus is on practicality and operability. The construction of the new liberal arts conforms to the needs of the national major strategy in the new era and the opportunities of the new scientific and technological revolution. The main task of university education technology major is to train talents for the country and society, and to train information talents. Under the background of the new liberal arts construction, only by continuously adapting to the need of the development of The Times, firmly holding the role of the new liberal arts in educational technology, establishing a modern teaching concept, establishing a scientific and advanced teaching model, and constantly enhancing the use of teaching level can the reform of our education technology specialty develop in a benign direction. Fulfill the important task of training qualified educational technology professionals entrusted to colleges and universities in the new era.

2. The innovative development of educational technology under the background of new liberal arts construction

2.1. Educational technology guides the new liberal arts to build an educational innovation system

As the core content of the new liberal arts, educational technology urgently needs to be solved in the aspects of subject knowledge, curriculum system, social participation and humanistic core accomplishment. The construction of humanities, the cultivation of humanities, the needs of society, the cultivation of Chinese culture, and the cultivation of core qualities all depend on the education of humanities. The first task of the construction of the new liberal arts is to innovate the liberal arts education system, from the construction of fine liberal arts courses to the integration of interdisciplinary disciplines, absorbing the Chinese...
cultural spirit, building the core quality of liberal arts, and adapting to the social and market competition must continue to innovate and deepen the reform. The foundation of the new liberal arts is systematic, and the construction of the new liberal arts involves not only the development of disciplines, but also the implementation of educational strategies. Therefore, it is concluded from the above analysis that educational technology is an important mode of creating educational system innovation under the background of new liberal arts[2].

2.2. Educational technology to promote the reform of the new liberal arts teaching innovation model

To build a new liberal arts, we must reform the teaching mode. Although the form of theoretical knowledge in the humanities has evolved slowly in the past, it is more flexible than other disciplines, and it is easier to integrate new disciplinary elements and new methods into the original humanities. The construction of the new liberal arts should reform the teaching methods of the past under the guidance of new technologies, and rebuild the classroom of the new liberal arts on the basis of maintaining the original fine connotation of the humanities: break through the ”wall” of humanities education, from closed to integrated, from closed to unlimited, and from traditional to modern teaching concepts. In the past few decades, educational technology has been continuously innovating after inheriting the theories of pedagogy, psychology, communication and other disciplines. In terms of educational theory, it has established its own set of systems, followed the development of information technology and intelligent technology, and actively provided a new impetus for educational reform. Network education, personalized education, intelligent education and so on are part of it, which has carried out effective reform of classroom teaching and students' education methods[3]. As an important part of education and teaching, educational technology urgently needs to promote and innovate with educational technology. In the construction of the new liberal arts, the reform of educational technology does not mean to introduce all technologies and abandon the past teaching concepts, but to eliminate the dross and continue to innovate while maintaining the original value, scientific and developable content. Therefore, for the new liberal arts and educational technology, we should hold a kind of acceptance and acceptance mentality, which is not only the width of the new liberal arts, but also the internal requirements of the construction of the new liberal arts. The teaching method of the new liberal arts should be driven by educational technology, which should adhere to the combination of integrity and innovation.

2.3. Educational technology promotes the new liberal arts to create a smart education model

The construction of the new liberal arts should not only carry out teaching reform, but also have a long-term mechanism to adapt to it. With the rapid development of the new generation of information technology, the past liberal arts education will inevitably be transferred to a wisdom education that closely combines educational thought and educational technology. Teachers and their educational ideas should be changed, they will pay more attention to the personalized teaching with students as the core, and pay more attention to the integration and construction of various educational resources. With the combination of science and technology and education, and the change of educational concepts, the construction of new liberal arts should not only be committed to a new education and teaching model, but also take the initiative to establish a new liberal arts intelligent education ecology that is combined with intelligent technology and meets the needs and characteristics of liberal arts. Through the combination of fast new liberal arts and 5G, big data, Internet, cloud computing, blockchain, Internet of Things and other technologies, to build a new liberal arts education cloud platform suitable for schools, teachers, students and the public, and integrate it into the characteristics of humanities and cultural heritage, to provide smart teaching, smart learning, smart management, and smart services for new liberal arts teaching[4]. Building intelligent education ecology is a new leap under the background of new liberal arts construction. From isolation to integration and system, the new liberal arts discipline can greatly promote the exchange, cooperation and complementary advantages among various institutions and roles, so that the cause of liberal arts education can be effectively coordinated, and provide vigorous and lasting vitality for liberal arts education. There is no doubt that the intelligent education ecology supported by science and technology in the construction of new liberal arts will not only promote the development of high-quality humanistic education, but also promote the reform of national education informatization.

3. The development path of basic education under the background of new liberal arts construction

3.1. A correct understanding of the data transformation of educational technology

At present, under the background of new liberal arts construction, with the deepening of the era of big data, many colleges and universities have begun to transform from traditional digital teaching to digital teaching methods. However, at present, the implementation of digital teaching reform of educational technology specialty in our country is not ideal, far from achieving ideal results. As the subject of educational technology major education reform, teachers should have a clear understanding of the digitalization of educational technology, take the initiative to learn digital educational technology methods, establish a scientific digital educational concept, and continuously improve the digital teaching platform in line with learning conditions.
So that the students of educational technology can continuously obtain the teaching content of educational technology in line with the requirements of The Times on a relatively perfect digital platform. It should be pointed out that teachers of educational technology must break through the restrictions of multimedia teaching methods when using big data technology, break the traditional teaching methods of simply using multimedia courseware and playing teaching content step by step. It ADAPTS to the environmental characteristics of the era of big data, captures and analyzes the learning needs of students, and has a clear understanding of the market conditions of the educational technology industry and the specific requirements of employment positions. With the support of new big data technology means, it makes timely adjustments to the teaching plan and teaching content, keeps up with the development trend of The Times, and constantly carries out teaching reform. To keep pace with the trend of social development. For example, teachers majoring in educational technology can use a questionnaire to collect students' evaluation of the course and relevant suggestions by using a questionnaire, integrate and analyze these materials, discover valuable teaching reflection information, and summarize the teaching problems encountered by students. This will provide an important reference for promoting the continuous development and optimization of technology teaching in the future. For example, teachers of educational technology majors can collect students' evaluation of courses and relevant suggestions by using a questionnaire, integrate and analyze these materials, and discover valuable teaching reflection information from them. The teaching problems encountered by students are summarized, which provides an important reference for promoting the continuous development and optimization of technology teaching in the future(5).

3.2. Education technology that emphasizes humanistic spirit and integrates teaching

The development of modern science and technology is the driving force of the development of educational technology, and educational technology is the driving force of educational modernization, but the ultimate goal of education is to cultivate a person. People have their own social attributes and complex feelings. Simply worriring technology will inevitably lead to the lack of humanistic spirit. However, the progressive significance of science and technology to education cannot be completely denied because of this. The relationship between educational technology and humanity seems to be pursuing a balance of high efficiency and moderation. For example, in the teaching process, if the teacher only treats the students as a machine to train, or uses big data, artificial intelligence and other technologies to directly judge their learning feedback, then the students can accept the knowledge more effectively, at the same time, the teaching process will be more rigorous, more standardized, more orderly, and will stimulate the students' interest in learning to some extent. However, in the long run, this mode of education is easy to ignore students' understanding of the essence of the spirit and intrinsic value of things, and it is easy to become a patchwork of "parts" and become a "combination of people". If every stage assumes the characteristics of technology, then human integrity will be lost; On the contrary, if all technologies are abandoned and only classical knowledge rich in classical humanistic atmosphere is studied, then the cultivated students, even if they have rich humanistic spirit and cultural accomplishment, will not be able to make great progress in creative thinking and scientific contributions, which obviously runs counter to the spirit of The Times and the needs of national development. Therefore, while advocating scientific and technological innovation and pursuing efficiency of modern education, we should also pursue the integration of humanistic ideas, mutual promotion and common development, reflecting the wisdom of high-quality education; It is necessary to ensure the healthy development of education, embody the humanistic spirit and humanistic care in its educational concept, but also actively apply modern technology to teaching, promote efficient and high-quality teaching, promote the combination of educational technology and humanities, so as to achieve the balanced development of science and technology and humanities. Therefore, while advocating scientific and technological innovation and pursuing efficient modern education, We should also pursue the integration of humanistic ideas, mutual promotion and common development, and embody the quality education of wisdom. It is necessary to ensure the healthy development of education, embody the humanistic spirit and humanistic care in its educational concept, and actively apply modern technology to teaching, promote efficient and high-quality teaching, promote the combination of educational technology and humanities, so as to achieve the balanced development of science and technology and humanities(6).

3.3. The traditional excellent culture, the development of characteristic technology pedagogy

The name of educational technology and its theoretical framework are recognized as "AECT94" in academic circles, but after decades of development, it has also undergone changes and innovations again and again in the actual situation of China. According to the theory of "total westernization" put forward by southern farmers, China's educational science and technology should "go to its door and go to its place", learn from the strengths of ancient and modern schools and create a new road of its own. Some scholars have suggested that the construction of humanities in China should not only learn from western academic ideas, but also follow the path of China, and the construction of humanities in China should not only be centered on China, but should be global(7) China is at the center of the world in terms of science and technology, military affairs, politics and economy. The advanced ideas such as "Community of Human Destiny" and "Belt and Road" highlight the
responsibility of big countries, and the fight against COVID-19 also shows the ruling level of China and the cohesion of the people of China. Obviously, China has "hard power", but in terms of "soft power", China's excellent tradition still needs to be carried forward, and China's international discourse power and level also need to be improved, especially the international status of China in the field of philosophy and social sciences is extremely disproportionate to its comprehensive national strength, which is particularly prominent. In this case, educational technology should also seize new opportunities in the new liberal arts construction environment, not only actively learn and absorb foreign advanced educational ideas, innovative technologies and excellent experiences, but also actively study China's educational technology, establish its own cultural self-confidence, take the road of educational technology development with China characteristics, and promote the innovative development of educational technology in Chinese universities.

4. Conclusion

In summary, under the background of the new liberal arts construction, the development of educational technology in our country is still facing more challenges, comprehensively mastering the challenge of educational technology in the background of the new liberal arts construction, and putting forward the targeted development path is the important task of our country's educational technology reform and innovation. Therefore, the development of educational technology in colleges and universities should attach importance to the integration of information technology, the integration of humanistic spirit, and inherit excellent culture, develop the characteristics of technical pedagogy, and promote the innovative development of our country's educational technology.

References


