

Probe into the Development Path of Leading Digital and Intelligent Education

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Abstract: At present, digital technology innovation and iteration represented by the Internet, big data and cloud computing have accelerated significantly, and digital transformation has become an inevitable trend in the development of countries around the world. The Party Central Committee attaches great importance to the development of the digital economy and digital society, and elevates it into a national strategy. Digitalization has become the dominant way for people to survive and live, and the digital era has come. In the new stage of evolution from human society to intelligent society, education plays an increasingly critical role in the transformation of productivity and the cultivation of innovative talents, and promotes the development of the digital economy through multi-dimensional comprehensive deployment.

Keywords: AI Education; Digital Economy; Intelligent Talents; Strategy; Digital Enterprises; Digital Industry; Education

1. Introduction

The digital transformation of education responds to the national strategic requirements of the digital era. It is consistent with the basic requirements and objectives for production and talents in the process of the new round of scientific and technological revolution and the deepening development of industrial reform. Now, all walks of life in society have begun to enter the era of digital transformation. The wave of digital transformation has promoted the digital transformation in the field of education, and formed a new consensus on the development of future-oriented education. I believe that in the near future, education will usher in a systematic digital revolution.

1.1 Ten-year construction and practice of online education

Over the past decade, China has built the world's largest online course system and teaching system, set off a learning revolution, built a national higher education smart education platform, and led the release of the world's first digital development report on higher education. China's online courses and online education are profoundly changing the form of higher education, becoming a shining business card of China's higher education.

1.2 Build the world's largest online course system and teaching system

Adhere to the construction concept of "government leading, school main body, and social participation", and continue to promote the "building, using, and learning management" of MOC. After nearly ten years of development and practice, In the past decade, the Ministry of Education has organized a discussion on the deep integration of information technology and education and teaching, and issued a series of policy measures to comprehensively promote the construction, use, learning and management of online courses, and promote the vigorous and healthy development of online courses and online education in China. In 2022, the Ministry of Education, in conjunction with the Central Cyber Information Office, the Ministry of Industry and Information Technology, the Ministry of Public Security The State Administration of Market Supervision issued the Several Opinions of the Ministry of Education and other five departments on Strengthening the Teaching Management of Online Open Courses in Ordinary Colleges and Universities, and put forward a series of standardized management measures to maintain and ensure the stability and long-term development of the

education and teaching reform of the deep integration of information technology and education.

1.3 Social participation. The platform has become an important supporting force for the construction and application of online courses.

With almost no investment from the government, China's online courses are widely mobilized by social forces such as the curriculum platform, and built in cooperation with the majority of college teachers. The economic curriculum platform has played an important role in supporting the construction of high-quality courses, providing online teaching services, creating online teaching tools, promoting the opening and sharing of courses, and ensuring online teaching of epidemic diseases. It has become an important supporting force in promoting teaching reform and building a new form of education, and has opened up a broad prospect for the development of the national digital economy.

1.4 The practice of digital education transformation needs intelligent navigation and the connotation of education digital transformation

At present, there are many definitions of "digital transformation of education". From the perspective of broad and narrow sense, the digital transformation of education in the broad sense refers to the comprehensive transformation of education system with deep integration of technology and education system; In a narrow sense, the digital transformation of education refers to the introduction of technology into educational organizations and the innovation of products, processes or models based on these technologies. The root of digital transformation lies in digitalization. Based on digital transformation and digital upgrading, its value orientation is to build educational transformation on the basis of digital transformation and digital upgrading. By making full use of the advantages of digital technology in the education ecosystem, it can promote changes in the structure, function and culture of the education system, so that the education system has stronger operational vitality and higher service value.

2. The process of digital education transformation needs intelligent navigation

When digital technology and education are intertwined, education needs to be guided by wisdom if it is to break through the boundary, move towards more openness and achieve continuous innovation. In the field of education, the era of wisdom has given birth to intelligent education. Smart education, based on the principle of "accuracy, individuality, optimization, coordination, thinking and creation", enables teachers to implement more effective teaching methods, and enables learners to obtain appropriate personalized learning services and good development experience by building an ecological learning environment with technology integration, cultivating human-computer collaborative data intelligence, teaching wisdom and cultural wisdom, and cultivating good personality Talents with strong action ability, good thinking quality and deep creative potential. Smart education leads the digital transformation of education.

3. Empowering technology and building a smart education environment

To promote the digital transformation of education, we should rely on digital technology to build a smart education environment, such as smart campus, smart classroom, smart laboratory and smart education cloud. It is necessary to build and integrate formal learning and informal learning, physical space and digital space, online scene and offline scene, promote students' participation and interaction, and improve the flexibility and adaptability of education and teaching by providing the preparation, delivery and distribution of rich interactive multimedia content.

4. Integrate digital space and develop intelligent teaching methods

To promote the digital transformation of education, we should integrate digital space and develop intelligent teaching methods, such as personalized learning, group intelligent learning and ubiquitous learning. Digital technology extends the educational scene space from physical space to digital space. Although digital technology and digital space cannot be directly converted into educational efficiency, they have great potential in supporting intelligent teaching methods. To this end, it is necessary to further develop and introduce human-computer collaboration: first, enhance the collaboration and interaction between people by integrating digital space, such as collaborative classroom design between teachers and students, collaborative problem solving between students, and

interdisciplinary cooperation between teachers;

5. Strengthen data governance and create intelligent evaluation

To promote the digital transformation of education, we should give full play to the value of data and create intelligent evaluation, such as education diagnosis based on data, evaluation for learning, and evaluation for development. The application of digital technology has deduced a new form of data revolution, and gradually formed a new pattern of speaking and decision-making with data. In the field of education, more and more attention has been paid to strengthening and expanding the collection of student data, which is described as "data frontier".

Promoting the simplification of administration and decentralization of power, and release the vitality of education digital transformation. The deepening of education reform in the context of digital transformation should be based on the premise of simplifying administration and delegating power, focusing on the modernization of education governance, and aiming at releasing the vitality of digital transformation of education.

Adhere to managing education according to law and provide legal guarantee for digital education. The transformation of education digitalization in China is still in its infancy, and there is still no legal basis for how to deal with the problem of education digitalization. Therefore, we should speed up the establishment of the concept of citizen rule of law and improve the legal and regulatory system of education digitalization, so that our country's education digitalization can enter the track of institutionalization, standardization and legalization.

Conclusion

From the first appearance of radio, tape recorder, television and multimedia in schools to today's online learning, mobile learning, social network learning and virtual reality, the development and application of technology are changing the way teachers teach and students learn. The latest digital technologies, such as artificial intelligence, blockchain and big data, are widely considered to have the potential to bring new possibilities to social change. Their continuous development marks the challenges and opportunities of technological innovation for some traditional concepts and thinking methods. In the field of education, the digital transformation of education has become an important trend of current education development and future education reform.

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