

# *Study on the Practical Path of Digitization in Chinese Excellent Traditional Culture Education*

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**Abstract:** The Internet improves consumption, and digitization drives production. Digitization in Chinese excellent traditional culture education (hereinafter referred to as “CETCE”) is an important path for the creative development of traditional culture and an inevitable trend for the reform and development of CETCE in the future. The basic logic of digital empowerment is to build digital learning as the foundation, utilizing digital technology to meet the needs of multiple participants. Based on this, it is important to establish a digital system of resources, strengthen the construction of the environment, and promote the participation of multiple stakeholders in the development of CETCE.

## 1. Introduction

The development of Chinese excellent traditional culture and the preservation of traditional crafts plays a key role in cultivating the socialist core values of youth and promoting cultural advancement. In the report of the 20th Party Congress, it was emphasized that CETCE plays a crucial role in realizing the great rejuvenation of the Chinese nation<sup>[1]</sup>. Consequently, China has enacted a series of policies to strengthen CETCE and promote its creative development<sup>[2]</sup>. Additionally, digitization in education was highlighted during the Fifth Plenary Session of the 19th CPC Central Committee and the report of the 20th National Congress<sup>[3]</sup>. As a result, digitization has become essential for educational development. To improve CETCE, it is necessary to study digital education and explore practical paths.

## 2. The Value of Digital Empowerment in CETCE

Digitization is key to addressing the challenges in CETCE’s development. Currently, there is a significant issue: the contradiction between the public’s demand for high-quality educational and cultural resources and the insufficient supply of these resources<sup>[4]</sup>. For this reason, it is necessary to diversify the presentation of CETCE and create a new environment that caters to the needs of multiple participants through digital means.

## **2.1 Logical Starting Point: Digital Learning Expands the Form of CETCE**

Digital learning, a new mode of learning, has transformed CETCE. Today, the form of CETCE continually evolves to meet modern demands and align with the standards of learning experiences. First, digital learning enriches the presentation of educational resources through modern tools such as electronic whiteboards and digital learning media classrooms. As a result, visual language has become dominant. Educators use these tools to convey traditional culture dynamically and offer personalized learning solutions. Second, in line with innovative education trends, digital learning further enriches cultural presentations. With digital tools, teachers increasingly rely on visual media rather than physical materials. Knowledge conveyed via images can be shared instantly on mobile devices, greatly improving the efficiency of cultural transmission and making learning more accessible. Lastly, this model emphasizes the learner's experience, focusing not only on knowledge acquisition but also on the emotional experience of students.

## **2.2 Logical Path: The Digital Field Transforms the Environment of CETCE**

Digitization has revolutionized CETCE, driving policy updates and content changes through advanced technology. First, in terms of policy, digitization has necessitated adjustments in CETCE policies, which have now become mandatory. Moreover, digitization is crucial for national rejuvenation, encouraging educators to prioritize CETCE and work collectively towards a common goal, thereby improving the educational ecosystem. Second, regarding goals, digitization enhances the value of traditional culture. Previously marginalized, traditional culture is now more readily integrated into mainstream curricula through digital technologies. Lastly, in terms of content, digitization promotes the evolution of educational content. Previously, educators focused on imparting knowledge and skills, neglecting the cultivation of students' cultural literacy and patriotism. Traditional evaluation methods are inadequate for assessing traditional culture. Therefore, the digitalization challenges the traditional educational evaluation concepts and advocates more diversified thinking and rules to accommodate the multi-dimensional needs of CETCE.

## **2.3 Logical Purpose: Digital Technology Fosters the Development of Multiple Participants in CETCE**

Digital technologies such as 5G, AI, and big data are transforming CETCE, meeting the needs of educators, students, and administrators, thereby improving educational outcomes and fostering the development of all participants. These technologies eliminate spatial and temporal barriers, creating a "world library" that provides educators with a wealth of high-quality resources, enriching class content and teaching materials. Additionally, these tools enable personalized education, catering to the diverse needs of students. Furthermore, they provide students with more independent learning models, fostering deeper learning and personal development. Lastly, administrators benefit from digital technologies through accurate big data tracking and analysis, which helps optimize management processes and improve efficiency. Big data also identifies flaws in outdated models, allowing for adjustments to future plans.

## **3. The Practical Path of Digitization in CETCE**

The rapid development of digital technology has brought revolutionary changes to CETCE. Intelligent education, intelligent mechanisms, and intelligent integration have jointly created a new educational system, which not only improves the quality of education but also strengthens its interactivity and experiential aspects, ultimately achieving optimal allocation and personalized

adaptation of educational resources. Through intelligent educational means, we can better inherit and promote Chinese excellent traditional culture and facilitate its innovative development in modern society.

### **3.1 Intelligent Education: Building a Digital Resource System for CETCE**

Digitization is profoundly transforming education by making the abstract concepts of traditional culture more concrete and widely accessible. Faced with challenges such as the mismatch between resources and technology, diverse interpretations of visual language, and varying individual needs, it has become imperative to establish a comprehensive digital resource system to enhance educational quality. Intelligent education plays a crucial role in this process. It quickly collects educational data, dynamically adjusts resources, and maintains long-term attention to student growth through big data, dynamic resource allocation, and learner tracking. This promotes the integration of educational content and form, thereby enhancing educational outcomes. As the core of information transmission, the accuracy of visual language is vital in solving these challenges. By refining symbols, elements like colors and images, and creating thematic atmospheres, transmission effectiveness can be improved, which helps resolve diverse interpretations and elevates education quality. Optimizing the model of information transmission enables the content to be dynamically adjusted based on students' sensitivity and cognition. This model combines words with images to enhance understanding and constructs a process for information decoding to meet student needs for a better educational effect.

### **3.2 Intelligent Mechanisms: Reconstructing the Digital System of CETCE**

Digital technology is fundamentally altering education, especially in CETCE. We should focus on strengthening the stability of the educational ecosystem and prioritizing student development from three aspects: shaping the learning environment, providing clear guidance, and establishing a comprehensive evaluation system. First, educators should use digital technology to create a new educational environment that aligns with technological advancements, guiding students to perceive and emotionally connect with the knowledge. Second, teachers should enhance class content through technologies like 3D and VR, which dynamically showcase traditional culture and enhance emotional engagement. Finally, there should be an evaluation system that promotes divergent thinking. This system is objectively generated through digital technologies, and teachers should also focus on students' cultural literacy while gathering classroom feedback. These are the key elements for advancing excellent traditional Chinese culture education.

### **3.3 Intelligent Integration: Promoting Synergistic Development of CETCE**

Digital technology, with its characteristics of openness, immediacy, efficiency, and shareability, is driving the iterative upgrade of Chinese excellent traditional culture education. In a multicultural context, educators should integrate traditional cultural elements with digital tools to optimize resources and personalize learning for the digital age. Meanwhile, educators should stay rooted in traditional culture while presenting national characteristics from a global perspective. Additionally, administrators should establish a platform that is accessible, personalized, and widespread. This platform can innovate CETCE, expand its reach, and enhance its influence. Moreover, it should provide educators with easy access to resources, create an interactive learning environment for students, and support administrators with an efficient system to continuously promote the development of CETCE.

## 4. Conclusions

The digital transformation of CETCE marks not only a profound change in educational methods and cultural heritage but also provides new perspectives and practical pathways for the modern dissemination of traditional culture. The construction of a digital learning environment has optimized the allocation of educational resources and promoted innovation in teaching methods. The application of modern tools such as electronic whiteboards and digital media classrooms has enriched the presentation of educational resources, making visual language the dominant mode. Policy updates and content transformations have further propelled the evolution of educational goals and content, while the application of digital technologies like 5G, AI, and big data has eliminated spatial and temporal constraints, providing educators, students, and administrators with more efficient resources and personalized learning models. The construction of digital education, the reconstruction of digital mechanisms, and the advancement of digital integration collectively form the framework for the digital transformation of CETCE, enhancing the integration of educational content and form, strengthening the stability of the educational ecosystem, and promoting the collaborative development of CETCE. This systemic change is of great significance for promoting cultural confidence and enhancing the soft power of culture.

However, existing research still has shortcomings in the process of digital transformation, such as ensuring the quality and diversity of digital resources, balancing the relationship between tradition and modernity, standardization and personalization, and how to ensure that all students can equally enjoy the convenience brought by digitalization. Future research should focus more on connotative development, delve into the essence of traditional culture, and combine it with modern educational concepts to form a digital education model with Chinese characteristics. At the same time, interdisciplinary and cross-domain cooperation should be strengthened to promote innovation in traditional culture education using digital technologies, and attention should be paid to the impact of digital transformation on educational equity, striving to narrow the digital divide and benefit more people from the changes brought about by digitalization. Through continuous efforts and exploration, the digital transformation of CETCE will inject new vitality into traditional culture education and contribute to the realization of the Chinese Dream of the great rejuvenation of the Chinese nation.

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