

# Modern Education Technology Changed Traditional Adult Teaching Mode

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**Abstract:** With the deepening of modern educational technology in the application of education and teaching, the traditional education and teaching model is transforming into the modern educational technology model, there is a subversive change especially in the traditional adult teaching mode. This article first briefly describes the characteristics of traditional adult teaching mode and the development status of modern educational technology. Then through the digital multimedia teaching mode, modern distance learning mode and computer-assisted teaching mode, demonstrates that modern educational technology will inevitably lead to the reform of traditional adult teaching mode, forcing the traditional educational teaching mode to transform into the modern educational technology mode. Finally, the future development trend of modern educational technology has been broken.

**Keywords:** teaching mode; traditional adult teaching mode; modern educational technology

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With the development of modern information and network technology, the integration of modern information and network technology and educational technology has become the focus of many educational researchers. In recent years, with the continuous application and integration of modern information and network technology in teaching practice, modern educational technology has emerged. At present, modern educational technology has become an indispensable factor in the teaching activities of various institutions of higher learning, and has even become the only way to improve the quality of teaching. Especially for adult colleges, the introduction of modern educational technology has better compensated for the insufficiency of adult education. The development of modern educational technology in adult colleges and universities will inevitably affect the teaching mode of traditional adult education. This kind

of influence will fundamentally solve the problem of the "quality" and "quantity" of education in the traditional adult teaching mode.

## **First, the characteristics of traditional adult teaching mode**

The teaching mode refers to the stable relationship and the structural form of the activity process between the various elements of teaching and learning activities in a certain environment under the guidance of certain educational thoughts and teaching theories.

The traditional adult teaching mode mentioned in this article refers to the face-to-face education of adult students in the form of adult students using their work, focusing on adult higher education institutions or school places in the form of ordinary colleges and universities. This teaching model is basically teacher-centered. Its advantage lies in the promotion of the leading

role of teachers and the organization, management and control of teachers in classroom teaching.

Since the reform and opening up, the traditional adult teaching model has played an irreplaceable role in the development and prosperity of adult education. However, with the deepening of reform and opening up as well as the development of society, there have been some new problems in adult education. These problems are mainly reflected in the differences in the group of adult students, the differences in the motivation of students, and the contradictions between students and students. The traditional teacher-centered, it has become difficult for passively accepted teaching model solve these new problems. Since the past 30 years of reform and opening up, a lot of research and discussion has been made on the traditional teaching mode. A number of innovative teaching mode schemes are put forward to solve the increasingly serious contradictions of adult education, but it does not completely get rid of the traditional teaching model process of: stimulate learning motivation → review old lessons → teach new knowledge → consolidate application → check evaluation<sup>[1]</sup>.

(1) Differences between participants and changes in learning motivation

Adult students are different from ordinary college students. The knowledge base, age structure, self-learning and learning environment, and the ways and means of learning vary greatly. It is not possible to engage in unified teaching and unified teaching arrangements as for ordinary college students. Instead, it is necessary to formulate different teaching plans to suit the learning characteristics of different levels of students. In addition, the motivation of adult learners is more practical, and they prefer to receive practical knowledge with strong skills. The main reasons are: some are forced to improve their work skills due to work stress; others are in urgent need of higher education in order to change their working environment or social status, and only a very small number of students are broadening their horizons in order to learn new knowledge. Their motivation for learning is very clear. For this feature, the adult teaching model must have greater flexibility.

(2) Studying staff - the contradiction is intensified

The traditional adult teaching mode requires a unified time to teach, and adult students must pay attention to work and study. There must be contradictions in the learning time, and the unified teaching time and loca-

tion will inevitably affect the work of some students. In order to alleviate this contradiction, adult colleges and universities generally adopt a method to reduce the number of students attending school. This makes it difficult for teachers to interact with students in order to complete the teaching task in the course of being pressed. A very common phenomenon is that when a course ends, the teacher does not know the name of students, nor the students know the teacher's name.

## **Second, the development status of modern e-educational technology**

Modern educational technology is the use of modern educational theory and modern information and network technology to achieve the theory and practice of teaching optimization through the design, development, application, evaluation and management of teaching and learning processes. This definition has 4 layers as follows: modern educational technology is based on modern educational ideas and theories; and educational technology is based on modern information technology, that is, in the process of education and teaching, modern information technology should be properly used; the research object is the teaching process and teaching resources; the content of educational technology includes the theory and practice of designing, developing, applying, evaluating and managing the teaching process and teaching resources<sup>[2]</sup>.

The development of modern educational technology in China began in the 1920s and is called Audio-Visual education. At that time, the slides, movies and other media used in the e-educational activities were used for teaching than the original oral science and later printed media. The way of dissemination has taken a great leap forward, which is a category of modern educational technology, but this is not complete meaning. The modern educational technology is only the initial stage of the development of modern educational technology<sup>[3]</sup>.

The modern information technology currently used in education mainly includes: (1) analog audio and video technology; (2) digital audio and video technology; (3) satellite radio and television technology; (4) computer multimedia technology; (5) artificial intelligence technology; Internet communication technology; (7) virtual reality simulation technology [4]. Applying these modern information and network technologies to the field of education has brought new fea-

tures to the teaching media. Mainly manifested in: multimedia display of teaching information; digitalization of teaching information processing; CD storage of teaching information; teaching network transmission of information transmission; and intelligentization of teaching process. At the same time, there are many effective modern teaching modes. The applications are more widely used: digital multimedia teaching mode, modern distance learning mode, computer-aided teaching mode and interactive online teaching mode.

The involvement of modern educational technology has changed the traditional adult teaching model. The ideas, methods, models, and management systems of adult education have changed. This includes: the teaching methods of adult education have changed; the teaching materials of adult education have changed; the relationship and status of adult education have changed; the teaching scope of adult education has changed, and the educational philosophy and education that followed The theory has also changed at the same time.

### **Research on Modern Educational Technology and Traditional Adult Teaching Model**

With the development of modern educational technology and equipment, the traditional adult teaching mode has undergone tremendous changes, from the traditional classroom teaching mode which focusing on class-based teaching, to digital multimedia, modern remote and computer-assisted teaching. A variety of modern teaching modes.

#### **(1) Digital multimedia teaching mode**

The digital multimedia teaching mode is a teaching mode that uses digital multimedia forms and equipment for teaching. Digital multimedia is based on information science and digital technology as well as educational theory, guided by modern art, and applied information communication technology to the comprehensive teaching mode of science and art in the field of education and teaching. Digital multimedia includes images, text, and various forms of digital audio, digital video, and other forms and content that are disseminated through digital. The emergence of digital multimedia has changed the traditional teaching mode of teachers' that relying on language and textbooks to impart knowledge. Teachers can teach through slides, physical projections, audio and video, virtual experiences and other teaching methods. Teaching with digi-

tal multimedia teaching mode enables students to accept new knowledge more and more vividly. Many elder students with poor comprehension ability are also able to understand new knowledge. This has better solved the problem of large differences among adult students.

In recent years, more and more teaching equipment are used for digital multimedia teaching. Commonly used equipments includes digital high lumen projectors, physical slide projectors, electronic whiteboards, somatosensory teaching equipment, and digital teaching integrated broadcasting systems. With the continuous development of modern digital technology, more new teaching equipments will continue to emerge.

### **The digital multimedia teaching mode is also the most widely used teaching mode.**

#### **(2) Modern distance learning mode**

The modern distance education teaching mode is a semi-autonomous teaching mode that uses the relevant technology of modern distance education to teach. Modern distance education is based on the international Internet, comprehensive use of modern communication, multimedia technology and distance learning support services, with long-distance transmission and interaction functions, breaking through the learning time and space constraints of a teacher-student separation education model. This kind of teaching mode breaks the traditional teaching mode that students must receive unified teaching at the same time and at the same place, which is very suitable for a teaching mode of adult students with outstanding work-study contradictions. There are two kinds of modern distance learning methods: one is self-learning, that is, using textbooks and audio-visual materials to study independently through recording or video media, or to listen to radio or watch TV on time. This kind of learning method has higher requirements for audiovisual teaching materials. Due to the lack of effective information feedback, the effect of this learning is somewhat affected. Another way is the "playing teaching-centralized counseling" method, that is, audio-visual teaching materials are broadcasted through teaching, and at the same time, the teaching points of local correspondence teaching are concentrated and face-to-face for the general problems in teaching. The third way is to use computer interactive network for distance learning, which is the future de-

velopment direction of modern distance education. The online learning method is based on self-service learning, that is, adult students can freely choose appropriate audio-visual materials for self-learning from the network information resource center (mainly online teaching platform) according to their actual needs. The biggest difference between this kind of learning and the previous two learning modes is that adult students can exchange real-time and interactive information with their instructors through their own computer terminals, effectively improve the learning effect of the distance learning mode<sup>[5]</sup>. Through the combination of the above two modern distance education teaching modes, the problem of industrial-study contradiction of adult students can be completely solved.

### (3) Computer-aided teaching mode

The computer-assisted teaching mode is fundamentally the application of modern educational technology to transform the traditional teaching mode of teachers and students communicating with language and blackboard. This kind of teaching mode mainly uses computer software technology to provide a variety of teaching software or virtual reality systems, aiming to create a vivid and realistic teaching environment, and beyond the general audiovisual category, will be difficult to observe or express phenomena and dynamics. The process is presented in front of the students, which makes the students rise from perceptual knowledge to rational understanding, and also facilitates the teachers to explain the key points and difficulties, thus improving the teaching quality and teaching efficiency. In particular, the virtual reality system can create a good simulation learning environment, provide independent and flexible learning methods, fully mobilize the multi-sensory participation of learners, and help adult students with relatively poor ability to complete learning tasks.

## **Fourth, the development trend of modern education technology**

With the rapid advancement of science and technology as well as the research and application of the theoretical basis of educational technology, modern educational technology is developing towards networking and multi-mediumization.

### (1) Networking

The networked development trend of educational technology is mainly reflected in two aspects: the rapid de-

velopment of Internet applications and satellite TV networks. Since the 1970s, satellite TV has developed rapidly since it entered the teaching field. At present, China's existing digital TV networks have an increasingly large user base in large and medium-sized cities, and the maturity of public switched telephone networks and 3G networks. Network universities have become a hot topic in colleges and universities, and have gradually become a major direction in the development of modern educational technology. This concept is based on the digital TV network, the public switched telephone network and the emerging 3G network. The integrated information service platform consisting of intelligent network application platform and multimedia application platform is the core, and the existing colleges and universities are the resource centers. Construct a network university suitable for distance learning with certain interaction ability, that is, "three power (computer, television, telephone) integration".

### (2) Multimedia

The development trend of multimedia technology of modern educational technology is also mainly represented in two aspects, namely the application of multimedia technology and the application of multimedia system formed by multimedia optimization combination. Due to its multi-sensory stimulation, large amount of transmitted information, fast transmission, high transmission quality, wide application range, convenient use, easy operation and strong interactivity, computer multimedia technology makes its application in the field of education unpredictable. Mainstream technology in modern educational technology. The integration of various emerging medias and some old medias, and the combination of new teaching models formed a multimedia teaching system with overall functions, this is also an aspect of the development trend of educational technology multimedia. In particular, the teaching mode combined with virtual reality technology gives adult students an immersive real experience, allows students to personally experience the experiences that cannot be realized in reality, and to change the abstract knowledge points into specific perceptible content and improve the teaching effect. Virtual reality technology is also expected to become another direction of modern educational technology development.

## Conclusion

The development of modern educational technology will certainly transform the traditional adult teaching model, and it will also promote the rationalization of traditional teaching mode. This is the general trend of adult education development under the current situation. Only by correctly combining the characteristics of modern educational technology with the characteristics of adult education can we play the role of modern educational technology and ultimately transform the traditional adult teaching model.

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