

How Chinese Teachers and Learners Realize Role Change in the Background of Artificial Intelligence

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Abstract: The integration of artificial intelligence technology and education has brought great opportunities and major challenges to international Chinese education. As the main body in the process of international Chinese education and teaching activities, the role of Chinese teachers and learners is also changing quietly. Chinese teachers have changed from traditional knowledge teaching to guides of learning resources and knowledge accumulation to technology application and learning process managers to companions of students' growth. Students from passive knowledge recipients to active participants and learners, the audience into the teaching process of innovators and explorers, independent inquiry into cooperation, to realize their role change, Chinese teachers need to master the relevant intelligent knowledge and technology, and timely adjust the teaching strategies and methods, learners should have good learning motivation and information processing ability, subjective initiative, active use of artificial intelligence technology auxiliary learning, so as to obtain Chinese knowledge to improve Chinese expression ability.

Keywords: Artificial Intelligence; Role Change; Chinese Language; Teacher Learners.

1. Introduction

Artificial intelligence has the advantages of high efficiency, innovation and diversity, and promoting educational reform is the inevitable trend of the development of The Times. In recent years, with the continuous maturity and extensive application of artificial intelligence technology, people's learning, living and working environment have undergone earth-shaking changes, which also have a profound impact on the field of education, promoting the development of education and teaching to the direction of intelligent and multi-media. As an important part of the field of education, international Chinese education has also ushered in new changes. The Chinese teachers and learners as the main body of Chinese teaching activities, previous teachers and student's role has not adapt to the needs of the current international Chinese education development, under the background of artificial intelligence, the role of Chinese teachers and learners have new requirements, need to correctly change their role, to cope with the education environment of a series of changes. Therefore, according to the new background requirements, this paper analyzes the role change of Chinese teachers and learners under the background of artificial intelligence, and puts forward corresponding measures for Chinese teachers and learners to realize their role change, so as to provide reference significance for teachers and students in Chinese teaching practice, and also provide help for the reform of international Chinese education.

2. The Role Change of Chinese Teachers in the Background of Artificial Intelligence

2.1. The Chinese Teachers Should Change from Traditional Knowledge Imitators to Resource Guides

In the context of artificial intelligence, the role of a Chinese language teacher has changed significantly. Traditionally, Chinese teachers mainly play the role of knowledge

transmitters, who are responsible for teaching Chinese knowledge and language skills to the learners. However, with the popularization and application of artificial intelligence, learners can obtain a large number of Chinese learning resources and learning help through various intelligent tools and applications. This led to the role of Chinese teachers changed, Chinese teachers by the traditional knowledge, into learning resources to guide, guide learners to use artificial intelligence technology to consult their required learning materials, and use of favorable learning resources to complete their learning tasks, and improve the learners access to information, and the ability to solve the problem.

2.2. From Knowledge Accumulation Type to Technology Learning and Application Type

With the continuous progress of artificial intelligence education technology, The emergence of online learning platform, AR / VR, intelligent teaching system and other tools and technologies approached in the Chinese classroom, Chinese teaching should not be limited to text, pictures and videos, Instead, using technology to enrich the teaching content and create a real learning environment for learners, Let the learners experience the teaching content personally, Stimulate learners' enthusiasm for Chinese learning and improve their attention to learning, This requires Chinese teachers to learn, in addition to the necessary Chinese knowledge, To need to understand and master some of the knowledge involved in education in the context of artificial intelligence, For example, artificial intelligence education concept, Chinese teaching strategies and evaluation methods under the background of artificial intelligence, etc. In addition, in the face of the continuous influx of new technologies and tools in the field of education, Chinese teachers should rationally view intelligent tools and new technologies, and make full use of them into their own teaching, which should play an auxiliary role in teaching.

2.3. From a Manager in the Learning Process to a Companion for the Growth of Students

In traditional Chinese teaching, Chinese teachers play the role of manager in the teaching process, taking Chinese knowledge as the intermediary to train learners in a purposeful and planned way, so that they can have certain Chinese knowledge and skills. And appeared under the background of artificial intelligence, the multilateral interaction of learning pattern, the time and space boundaries between people, the communication between human channels have larger development, and whatever the extent of science and technology development, empathy between people, care and communication ability are need to rely on people to complete, in the teaching process, learning is not just learners own things, is the process of communication with each other, learners' curiosity, emotion and value should be improved in the process. Therefore, under the background of artificial intelligence more should be pulled into dialogue and communication between people, rather than the relationship between machine, Chinese teachers facing the intelligent era under the new environment, should pay attention to the psychological and emotional problems, help them timely channel and solve, on the way of learners grow learning do companion role.

3. Role Change of Learners in the Context of Artificial Intelligence

3.1. From Passive Knowledge Recipients to Active Participants and Learners

Under the influence of artificial intelligence technology, The learning space, learning process, Learning place is no longer limited to a specific Chinese language school, Learners can use online platforms, Such as: Dingding, Tencent Conference and MOOCs, Communicate and learn with Chinese teachers online, The study time is no longer limited to the prescribed class time, In addition to the formal classroom study time, Learners can integrate their own fragmented time, Using intelligent tools to search for learning resources to obtain new knowledge or use the learning platform playback teacher class content to review the content has learned, This requires students to change from passively receptive knowledge to active participants and learners, Thus, in the context of artificial intelligence, Learners should actively participate in learning, Constantly expanding your vision through intelligent technologies and tools, Improve your knowledge reserve.

3.2. From the Audience to the Innovator and Explorer of the Teaching Process

In the past, teachers played the role of "teaching" and students played the role of "learning". Due to the traditional teaching process, the existence of knowledge form, transmission way and way and teachers' teaching method is relatively rigid, the teacher is the student on the only path to acquire knowledge, is the spokesman and source of knowledge, students want to get more knowledge, shall not ask the teacher, so the teacher as the authority of knowledge image has never been questioned. And with the emergence of electronic media, the way of knowledge transmission and changed, especially in the information society, the Internet and the rapid development of artificial intelligence

technology, and mutual integration with education, let the influx of knowledge, the traditional teacher status will be overturned, students will be short time to all kinds of high quality learning resources, so the traditional teachers should abandon the idea of "master", play the role of the guide, students under the guidance of teachers, independent to find problems and solve problems, constantly explore knowledge learning methods and skills, in learning practice constantly stimulate their potential to realize self-innovation.

3.3. From Independent Explorers to Cooperative Communication

In the learning process, learners must have the ability of independent thinking, practice and reflection and summary. However, due to the limited personal knowledge level and cognition, cooperation is the best method in the learning process. Artificial intelligence technology is providing learners with opportunities to cooperate with others and communicate with others. Learners can use online platforms or social tools to share their learning results and experiences with other students, find their own shortcomings and strengths in the communication, and learn from each other. At the same time, when facing the tasks assigned by Chinese teachers, they can discuss and communicate remotely, which requires learners to have the ability to cooperate and communicate, and to effectively communicate and cooperate with others, which is also conducive to the cultivation of learners' spirit of cooperation and competition consciousness.

4. How to Change the Role of Chinese Teachers under the Background of Artificial Intelligence

4.1. Break Through Professional Restrictions and Improve Information Technology Professional Quality

Teachers' professional quality is the basic quality and professional skills that teachers must have, including teaching skills, educational interest, student guidance, classroom management and other aspects. Teachers must master and have these professional qualities, which is a qualified teacher. However, with the development and progress of society and science and technology, the requirements of teachers have changed, and teachers' professional quality must be recognized. Only by constantly paying attention to exploring the reform of teachers' professional quality, can we find our own position in the future teacher reform.

Artificial intelligence environment, curriculum and teaching digital and informatization, serving the international Chinese teaching activities of text material resources, network multimedia resources, corpus and education learning website resources such as rapid growth, the audience, learning into the resources "sharing, build" stage, the teacher is no longer the main provider of information or knowledge, teaching process from all aspects of the resources will become the main source of information of learners learning activity process. Facing massive resources of Chinese teachers on the one hand, to know how to organize, analysis, screening, processing and favorable information, give full play to the education value of information, flexible use of artificial intelligence and other science and technology, to improve their information literacy, advancing with The Times, on the other hand to do the role of resource problems, huge amounts of resources is not so good

for learners, so Chinese teachers should guide the flow of learning resources, emphasize learning resources specification use, to ensure the teaching activities.

4.2. Update the Educational Concept and Establish a Sense of Lifelong Learning

Teachers' ideas affect teachers' behavior, and different ideas will have different educational directions and contents. The artificial intelligence technology constantly penetrates education fields, and about the relationship between education and technology has been discussed, have good aspects also have bad place, Chinese teachers with the help of artificial intelligence technology to improve the classroom efficiency, develop the personalized learning methods for learners, but both man-machine fusion teaching mode also has the challenging. Therefore, Chinese teachers should seize the opportunities brought about by artificial intelligence, actively meet the challenges brought about by it, view artificial intelligence from a rational perspective, and use artificial intelligence technology to carry out intelligent teaching. Under the influence of traditional teaching, teachers have always been dominant in the classroom and are the main instructors of knowledge. However, under the background of artificial intelligence, learners are almost equal to teachers' ability in technology application, resource acquisition and other aspects. Therefore, Chinese teachers should update their own educational ideas and accept new knowledge to keep pace with The Times.

In addition, with the deepening of the application of intelligence technology in the field of education, many schools are equipped with future classrooms, smart classrooms, VR / AR and other facilities and equipment. The innovation ability of intelligent technology in all fields of school education is constantly improved. In the face of the rapid change of technology, some Chinese teachers do not know how to control such technology, and still adopt the traditional teaching mode, which leads to the boring classroom and low efficiency, and learners do not feel the fun of learning Chinese. Therefore, Chinese teachers must continue to learn technical skills, use artificial intelligence technology or tools to create a real environment for learners, and feel the learning content immersive. The development of science and technology will never stop, so it is also necessary for Chinese teachers to establish a sense of lifelong learning, never too old to learn, and follow the call of The Times and the requirements of education development.

4.3. Pay Attention to Emotional Interaction and Strengthen Humanistic Care

"Intellectual labor and emotion coexist. In order to make a person's mind become active, one must make their emotions become active." [1] (Wu Guozhen, 2005) Machine has no emotion, people have emotion, the object of education is people, teachers in addition to achieve cognitive goals, more should achieve the emotional goals of learners. In the process of learning, students cannot be experimented on the control variables, because students are growing and changing individuals, so it is impossible to have the same results in education. Chinese teachers responsibility not only let learning to acquire knowledge of Chinese and master Chinese skills, more important is the influence of thinking and spiritual company, on the one hand, focus on learners in the process of learning, on the other hand for the learners' emotional problems intervention guidance, which is and

learners establish good interaction between teachers and students, in this relationship between teachers and learners between communication and cooperation will be more and more deep, between teachers and emotional exchange, in intelligent technology class will not appear indifference. With the continuous progress of science and technology, some technology already can replace teachers' work, but the nature of education will not change, "the essence of education is a soul of the influence of another soul, is to cultivate learners correct view, germinal in human nature, cultivating creativity, independent personality" [2] (Chen, 2018) visible in the process of teaching learners spiritual demand is replaced by intelligent technology, so teachers' pay attention to the emotional education of learners, enrich the emotional experience of learners.

5. How can Learners Achieve Role Change in the Context of Artificial Intelligence

5.1. Give Full Play to the Initiative and Innovation, and Use the Intelligent Technology Correctly

After artificial intelligence technology permeates the field of education, people enjoy the dividends brought by technology, but the risks brought by artificial intelligence technology take in. Chinese teaching object has particularity, learners from all over the world, by their own cultural traditions, social customs, and education system, in the process of life and learning, at the same time Chinese learning itself has a special rule, so learners in the process of learning difficulties and even anxiety. With the emergence of intelligent tools, learners, in order to learn tasks on time, enjoy the "fast food" feeding of intelligent technology, slowly began to rely on intelligent technology, and use intelligent technology to cope with homework and even cheat in the exam. If the teacher does not detect and do positive reinforcement behavior to the learners, so that in the long run, the initiative and creativity of the learners will be weakened, and the learning state and intelligence will degenerate and desertification. In the face of this situation, on the one hand, Chinese teachers need to play a role of supervision and guidance, on the other hand learners should look at the pros and cons of intellectual technology, standardize the use of intelligent technology to improve the effect and efficiency of learning and, play their own subjective initiative in the process of learning, learning initiative, effectively from the vast amounts of information ocean, filter out junk information, find useful information.

5.2. Formulate Personalized and Customized Learning Plans for Learning

Only by learning the content suitable for themselves can learners achieve efficient learning and have an interest in learning for a long time. Artificial intelligence technology provides learners with a more personalized and autonomous learning style. In the traditional educational environment, learners usually need to learn according to the rhythm of Chinese teachers and the content of the teaching materials. With the support of artificial intelligence technology, learners can learn according to their own learning needs and interests, and choose their own suitable learning paths and learning resources. For example, learners can learn through the online

learning platform, and choose the courses and learning materials that they are interested in to meet their learning needs. According to the feedback information and learning suggestions of artificial intelligence technology on their learning behavior and learning results, we can improve my shortcomings and weaknesses, accurately scan my knowledge loopholes, and achieve the matching of learning needs. Learners will also constantly acquire new knowledge and master new skills because of their interest, and constantly enrich themselves, so as to improve their Chinese proficiency.

5.3. Communicate with Teachers More and Learn to Learn Together

"Interdisciplinary Exploration of Chinese as a Foreign Language", edited by, mentioned that "traditional Chinese classroom is mainly based on face-to-face teaching, and the vast majority of learners learn Chinese through class. " Literary works are the main part in teaching content." [3] (Zhao Jinming, 2003) The teaching methods are too old, and the lack of flexible teaching methods and teaching skills. With the emergence of intelligent technology, teaching methods, online teaching, at the same time, broke the authority of the Chinese teacher knowledge image, in the classroom ignore the learners of the Chinese teacher explanation, to turn to intelligent tools, presents the Chinese teacher sing a monologue. In the long run, the distance between teachers and learners is getting farther and farther, and the relationship between teachers and students is becoming more and more tense, which affects the efficiency of learning Chinese. Therefore, in the face of this situation, learners should keep in touch with teachers, and actively communicate with teachers whether in class or after class, so as to establish a good teacher-student relationship, create a positive and active classroom atmosphere, and promote Chinese learning. In addition, the emergence of artificial intelligence broke the limitation of time and space, local learners can through the network learning platform, under the guidance of Chinese teachers complete cooperative learning task, learners through cooperative learning can develop good learning habits, generate inquiry consciousness, also can cultivate love and mutual assistance, team cooperation, inclusive understanding of positive psychological quality, is the premise of all this learners must learn cooperative learning, make full use of voice chat, video calls, online interaction, online voting functions and other cooperation with team members.

6. Conclusion

The infiltration of artificial intelligence into the field of education has brought many benefits such as massive learning resources, personalized learning programs, and diverse learning environments, and has also brought many challenges to the field of education. As the subject of teaching and learning in the Chinese process, Chinese teachers and learners will also be affected to some extent. Facing the opportunities and challenges brought by artificial intelligence, traditional Chinese teachers and students cannot meet the requirements of the new environment, so Chinese teachers and learners should accurately locate their role, Chinese teachers from professional quality, education concept, humanistic care to realize their role, learners from the learning initiative, innovation, interest, transformation role, to adapt to the new environment of artificial intelligence education a series of changes.

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