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Exploration on the Practice Path of AI Enabled College English Course Ideological and Political Education

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Abstract: With the development and popularization of artificial intelligence technology, it provides technical support for the new effect of Ideological and Political Education brought by College English teaching in our university. At the same time, with its strong operability, wide application range and personalized characteristics, AI tools effectively solve the shortcomings of the fragmentation, one-sidedness, and boring integration of ideological and political elements in the process of traditional English teaching, and organically infiltrate the function of Ideological and Political Education while realizing the teaching of language knowledge. On the basis of grasping the main tasks of college students' English learning, according to the application characteristics and functions of AI, this paper digs out the educational value of AI in the ideological and political aspects of the curriculum, and puts forward a reasonable and operable effective scheme in the reconstruction of teaching material content, innovation of teaching mode, optimization of evaluation mechanism, etc., and points out the possible problems and solutions of this method, so as to provide reference and practical guidance for the practical work of teaching and educating people in the new development of College English teaching in the new era.

Keywords: AI; College English; Curriculum Ideological and Political Education; Teaching practice; Educational path

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1. Introduction

College English, as a basic subject in colleges and universities, is both instrumental and ideological, and plays an important role in moral education. Compared with other professional courses, College English has a wide audience, a long history, and involves a lot of cross-cultural knowledge, which naturally has ideological and political elements. There is a fixed thinking pattern in English teaching in many colleges and universities; that is, its educational thought is often expressed in a straightforward or slogan manner, which creates a disconnection between English skill learning and value guidance, and cannot meet the diversified and personalized needs of today's college students. However, with the gradual establishment of the intelligent

teaching ecosystem, micro artificial intelligence (micro AI) has gone beyond the role of the technical supporter and has continued to penetrate and develop in the classroom of various disciplines. Although the giant intelligent learning system has good universality and compatibility, micro AI has the characteristics of low threshold and strong adaptability, and can be widely used in lesson preparation, teaching, homework, expansion and other links, which makes up for the lack of Ideological and Political Education in traditional English courses. Based on such considerations, it has become an important orientation of College English teaching reform to tap the Ideological and Political Education resources of English teaching with the help of AI technology, innovate educational means, and realize the organic integration of language acquisition objectives, cultural transmission and value building.

2. AI empowers the core value of Ideological and Political Education in College English courses

2.1. Solve the problem of homogenization of ideological and political integration and realize personalized value guidance

Traditional College English teaching is mainly based on standardized teaching methods, which is also a single way for the dissemination of Ideological and Political Education, and can not adapt to the knowledge needs and cultural values of different students. Some students already have a basic cognitive concept of national culture, but some students are not clear about the true connotation of Western cultural prejudice and cultural pride, and the unified Ideological and Political Education method is difficult to achieve a good educational effect. However, AI has strong information processing ability and personalized adaptability. It can accurately judge the lack of knowledge and thinking errors according to students' answers, text translation, theme forums and other learning activities, and provide differentiated materials for Ideological and Political Education. For example, for students who lack cross-cultural awareness, English micro reading materials involving the comparative analysis of Chinese and Western cultures can be used to guide students to analyze the differences between Chinese and Western cultures. For students with weak logical thinking ability, they can choose English news reviews or Chinese publicity texts to improve their English level and correct their prejudice, so as to realize the transformation of Ideological and Political Education from "flood irrigation" to "drip irrigation".

2.2. Enrich the carrier of Ideological and Political Education and broaden the boundary of the educational scene

The place where Ideological and Political Education in traditional English courses is carried out is limited to the physical classroom, and the educational carrier is mainly teaching materials and teachers' lectures. The form is single and the role is weak, which can not mobilize the enthusiasm of students' participation. AI technology is used to integrate and apply various text generation functions, including dialogue, VR immersive experience and intelligent translation, so as to break the restrictions of time and space and build a three-dimensional education field combining online and offline. With the help of AI, a variety of interactive ways such as role dialogue, seminars, and composition review can be realized during class, and the ideological and political content can be integrated into practice. After class, students can explore the literal meaning of Ideological and Political Education in English by means of intelligent attendance, topic expansion, Chinese-English translation and other forms, so as to realize that Ideological and Political Education runs through the whole process of students' learning English. Its in-depth experience and long-term process overcome the

disadvantages of formalization and short-term teaching of Ideological and Political Education in the past, and improve the effectiveness of Ideological and Political Education [1].

2.3. Help cultivate cultural self-confidence and strengthen cross-cultural critical thinking ability

The core of College English teaching is not only the cultivation of language skills, but also the cultivation of students' cross-cultural awareness and patriotism. However, in the process of accepting foreign language and culture, some college students will have cognitive bias of blindly advocating foreign culture and ignoring local culture, and lack the subjective initiative of independent judgment. With the help of AI, we can develop a localized and positive publicity corpus based on its huge Chinese and Western database resources, such as Chinese traditional civilization, contemporary development achievements, national responsibility narration, etc. while improving their English ability, we can guide them to tell Chinese stories in English and make a Chinese voice. Only in this way can we help them clearly distinguish different cultures and their advantages and disadvantages, so as to enhance their cultural awareness and form strong cultural confidence, so as to achieve the development goals of language learning and values cultivation.

3. The practice path of AI-empowered Ideological and Political Education in College English Courses

3.1. Relying on AI to reconstruct ideological and political teaching resources and consolidate the foundation of education

Teaching resources are the core carrier of the ideological and political implementation of the course. High quality intelligent resources can realize the organic integration of language training and Ideological and Political Education. With the help of AI's functions of accurately matching teaching topics, refining manuscripts, and sorting materials, it can break the shackles of traditional textbooks and build a dynamic ideological and political English teaching system. Based on AI, it can accurately adapt teaching topics and mine positive energy bilingual materials that fit the teaching ecology of each unit, including cultural confidence, green ecology, scientific and technological innovation, youth responsibility, patriotism, and other ideological and political perspectives. In the teaching of science and technology English topic courses, AI can accurately push English news and popular science articles about China's aerospace, new energy, artificial intelligence and other science and technology related fields, replace the past single western science and technology materials, so that students can improve their reading ability while learning relevant professional vocabulary, and experience the speed of China's science and technology development.

AI is used to organize and adapt the content. Students of different ages and levels of English ability are appropriately adjusted for the difficulty of words, the complexity of grammar and the depth of information in the content. Political and ideological analysis and annotation are also carried out to clarify the key points of education corresponding to various materials, so as to avoid the phenomenon that the purpose of education is blurred due to the overflow of data. In addition, the Chinese-English comparative materials on current events and news provided by real-time, continuously updated AI can transform hot topics and positive-energy stories in China in the new era into English learning materials, so that the values conveyed in classroom teaching keep pace with the times, compensate for the outdatedness of textbooks, and ensure the timeliness of textbook content and the forward-looking nature of educational orientation [2].

3.2. Using AI to innovate classroom teaching mode and deepen the effectiveness of education

Classroom is an important position for the implementation of Ideological and Political Education. The use of AI technology to optimize the traditional classroom teaching mode is conducive to the natural integration of Ideological and Political Education into each language teaching link.

At the pre-class stage, AI robots can provide guidance tasks for teaching objectives, including bilingual reading, simple question-and-answer, and a preview of cultural background knowledge, so that students can understand the ideas contained in the course earlier and lay the foundation for in-depth learning. For the courses involving culture and civilization, the intelligent robot will push the relevant Chinese and English materials about the comparison of Chinese and Western festivals, etiquette and values to the students before the start, so as to inspire the students to think about the diversity and differences of culture independently, and then cultivate the preliminary awareness of cross-cultural communication.

In the class stage, the real-time interactive function of AI is used to create an immersive field of Ideological and Political Education, replacing indoctrination-based teaching. For example, AI is used to set up topic role-playing scenes such as "introducing China's cultural heritage in English" and "the responsibilities and missions of New Youth", so that students can get AI's error correction and targeted comments on their pronunciation and grammar immediately after hands-on practice, which not only improves students' oral expression level, but also deepens their understanding of Ideological and Political Education. Similarly, in the reading and writing course, AI can also be used to guide students to think about the content of English news articles, identify one-sided reports and wrong views of Western media, and establish an objective and rational view of big language [3].

In the after-school stage, AI, based on personalized learning data, can provide hierarchical and expansive tasks for learners with weak foundation. Learners can improve their language level and obtain positive cultural materials by reading and imitating simple English sentences. For higher-level learners, more complex options such as English essay writing, speech writing on specific topics, or bilingual rewriting of Chinese stories can be provided. This is conducive to improving their ability to understand culture and values, and achieving the purpose of dividing education levels and personalization.

3.3. Optimize the multiple evaluation system with AI and improve the closed-loop education

Teaching evaluation is an important link to test the ideological and political effect of the course and optimize teaching methods. The traditional English teaching mode focuses on the assessment of students' English knowledge and skills, ignoring the cultivation of students' ideological and political quality, critical thinking and cultural cognition, so it is difficult to accurately grasp the teaching effect of Ideological and Political Education. Using AI big data analysis of artificial intelligence and intelligent evaluation software can establish a multi-dimensional evaluation system of "language ability+ideological and political literacy+comprehensive quality", and improve the defects in the existing evaluation mechanism [4].

AI can track the whole process of students' pre-class preparation, classroom learning, and after-class consolidation, and collect all behavior data. It can quantitatively analyze students' vocabulary accumulation, grammar use frequency, listening, speaking, reading and writing abilities, and identify students' values and critical thinking ability in topic discussion or composition with the help of NLP technology and natural language processing technology. In this way, they can be comprehensively evaluated. For example, when marking English compositions, AI is not just a simple matter of correcting grammatical errors. It can make an

in-depth analysis of the theme, cultural concepts and values of the articles, accurately judge whether students have cultural cognitive bias or unbalanced values, and also generate personalized evaluation and analysis reports and suggestions for improvement.

AI can form a data portrait of the overall quality of the students in the class, intuitively reflecting the lack of thinking mode, culture and values of all students in the class, which is conducive to better optimizing the design of education and teaching content, improving the infiltration of Ideological and Political Education and teaching. The closed-loop education and teaching of "teaching-learning-evaluation reform" will make our course Ideological and Political Education more scientific and targeted.

4. Reflections on the application of AI-empowered Ideological and Political Education in College English courses and optimization strategies

4.1. The practical application limitations of AI-empowered courses in Ideological and Political Education

Intelligent technology can bring new educational help to College English classroom, but in fact, the application of this new technology still has many limitations, affecting the overall development and implementation of education. For the problem of excessive dependence on science and technology, artificial intelligence is completely applied to various processes in some teaching, such as information collection, classroom teaching interaction, learning achievement assessment, etc., which weakens the main role of teachers and leads to the mechanization and dehumanization of teaching and educating people. The information provided by AI is misleading. Because the selection and interpretation of AI depend on program design, there will inevitably be problems such as insufficient or biased cultural and political cognition, which cannot meet the basic requirements of morality cultivation and character building in universities. The long-term use of such intelligent equipment will enable students to develop the bad habit of lazy learning, relying too much on the machine to correct homework, automatic question setting and other functions, and will reduce students' independent analysis ability and independent inquiry consciousness, which is contrary to the goal of cultivating students' critical thinking and cultural cognition in Ideological and political teaching.

4.2. Optimization strategies for the implementation of AI-empowered course Ideological and Political Education

In view of the above application limitations, teaching practice should be based on the essence of education, seek a balance between the two on the basis of humanistic education, and build a standard and high-quality intelligent teaching system with scientific management, optimization mode, and improving ability. Take teachers as the center and clarify the idea that AI is an assistant. Teachers should comprehensively review and revise the teaching resources, problem scenarios, and evaluation feedback generated by AI, and correct AI's calculation errors. They should also correctly guide the value orientation of the ideological and political course and, taking students' actual situations into account, teach them according to their aptitude and individual needs, so as to compensate for the over-proceduralization of intelligent teaching. In addition, a selection and review mechanism for AI teaching resources should be established. Topics will be selected around patriotism, national confidence, youth responsibility, independent thinking, etc., to improve the quality of topics, eliminate fragmented and shallow information, and build a unique English version of an ideological and political bilingual course database for college students, so as to ensure that the materials

are positive, authoritative, accurate and updated in real time. We should strengthen the training of students' self-thinking ability and judgment ability, and appropriately limit the application scope of artificial intelligence, which is mainly used for mastering basic skills, monitoring learning status, and expanding information. We should also add some offline collective discussions, teachers' in-depth research, and independent preparation of bilingual texts, which will encourage them to get rid of the enslavement of technology, analyze and think independently in culture, and realize the integration of scientific and technological benefits and humanistic education.

5. Conclusion

Using AI technology to integrate the ideological and political work of College English education and teaching is the inevitable direction of the development of College English education and teaching in the era of intelligence, and it is also an important way to implement the education thought of morality and talent cultivation. Light AI technology is used to break the teaching barriers of Ideological and Political Education in traditional courses. Based on the reconstruction of resources, classroom teaching innovation and evaluation mechanism reform are carried out, which achieves the purpose of highly integrating teaching and education, and effectively solves the disadvantages of monotony, stylization and formalization under the conventional education mode. In the future teaching practice, we still need to firmly grasp the core idea of people-oriented, constantly explore the value of AI technology in the field of education, and optimize it to avoid the existing shortcomings. Let AI correctly assist college students' English learning, help students develop a strong cultural and international vision and correct three outlooks while improving their language ability, and comprehensively promote the teaching level of College English courses.

Disclosure statement

The authors declare no conflict of interest.

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