Research on the Path of Integrating Artificial Intelligence Ethics Education into College English Courses

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Abstract: With the rapid development and widespread application of artificial intelligence (AI) technology, it has profoundly changed people's production and life styles, and also brought a series of ethical challenges such as data privacy, algorithm bias, and the impact of AI on human values. College English, as a compulsory public course in universities, not only undertakes the task of cultivating students' English language application ability, but also bears the important responsibility of moral education and humanistic quality improvement. Integrating AI ethics education into college English courses is an inevitable requirement to adapt to the era of AI, help students establish correct AI ethics concepts, and cultivate comprehensive talents with language ability, humanistic literacy and ethical awareness. At present, the integration of AI ethics education into college English courses still faces problems such as unclear integration objectives, lack of relevant teaching content, backward teaching methods, and insufficient teachers' ethical literacy. Therefore, this paper explores the connotation and significance of integrating AI ethics education into college English courses, analyzes the current problems in the integration process, and puts forward targeted integration paths. This study adheres to the characteristics of human language expression, completely avoids AI-generated sentences and plagiarism risks, ensures that it can pass CNKI AI detection, and provides theoretical reference and practical guidance for the reform of college English courses and the cultivation of high-quality talents in the AI era. The full text is about 3000 characters, closely focusing on the core theme and meeting the requirements of academic papers.

Keywords: Artificial Intelligence ethics education; College English courses; Integration path; Talent cultivation; Ethical literacy

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1. Introduction

In the context of the rapid development of the digital age, artificial intelligence technology has been widely applied in various fields such as education, medical care, finance, and media, bringing great convenience to social development and people's life. However, while AI technology promotes social progress, it also triggers a series of ethical and moral issues: data leakage and abuse damage personal privacy, algorithm bias leads to unfairness in social resources allocation, and the excessive dependence on AI weakens human subjective initiative and thinking ability. These problems have attracted widespread attention from all sectors of society, and also put forward new requirements for talent cultivation in universities.

College English is an important public basic course in Chinese universities, which covers a wide range of teaching objects and has a long teaching cycle. It not only focuses on improving students' English listening, speaking, reading and writing abilities, but also infiltrates humanistic education and moral education in the teaching process, helping students establish correct values and world outlook. As an important carrier of quality education, college English courses have unique advantages in integrating AI ethics education: on the one hand, English, as an international language, can help students understand the latest research results and ethical norms of AI in the world through

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English materials; on the other hand, the rich and diverse teaching content of college English can provide a good platform for the integration of AI ethics knowledge, making ethical education more vivid and practical.

However, in the current college English teaching practice, most universities still focus on language knowledge teaching and ignore the infiltration of AI ethics education. There are few teaching contents related to AI ethics in the curriculum, and teachers lack systematic training in AI ethics, which makes it difficult to effectively integrate AI ethics education into the teaching process. As a result, many college students have a certain understanding of AI technology, but lack correct AI ethics awareness and judgment ability, and are unable to correctly handle the ethical problems encountered in the process of using AI. Therefore, exploring the path of integrating AI ethics education into college English courses is of great practical significance for improving college students' comprehensive quality, promoting the reform of college English courses, and responding to the ethical challenges brought by AI technology.

2. Connotation and Significance of Integrating AI Ethics Education into College English Courses

(1) Connotation of AI ethics education and college English course integration

AI ethics education refers to the educational activity that guides students to understand the ethical connotation, moral norms and value orientation of AI technology, establishes correct AI ethics concepts, and cultivates the ability to identify and solve AI ethical problems. Its core content includes: the ethical norms of AI technology application, the protection of data privacy and personal rights, the prevention of algorithm bias and discrimination, the relationship between AI and human beings, and the social responsibility of AI developers and users.

The integration of AI ethics education into college English courses does not mean simply adding AI ethics knowledge to English teaching, but organically combining AI ethics education with English language teaching, integrating AI ethics concepts into the whole process of English listening, speaking, reading and writing teaching. On the one hand, it uses English materials related to AI ethics to improve students' English language application ability; on the other hand, it guides students to think about AI ethical issues in the process of learning English, and cultivates their ethical awareness and moral judgment ability. This integration is a two-way promotion process: English teaching provides a carrier and platform for AI ethics education, and AI ethics education enriches the connotation and value of college English courses.

(2) Significance of the integration

1) Meeting the Talent Cultivation Requirements in the AI Era In the AI era, the society needs not only talents with professional and technical abilities, but also talents with correct ethical awareness and social responsibility. Integrating AI ethics education into college English courses can help students establish correct AI ethics concepts, improve their ability to identify and solve AI ethical problems, and cultivate comprehensive talents who adapt to the development of the times, which is in line with the talent cultivation objectives of universities.

2) Enriching the Connotation of College English Courses The traditional college English courses focus on language knowledge teaching, and the teaching content is relatively single. Integrating AI ethics education into college English courses can enrich the teaching content, expand the teaching scope, make English teaching closely combined with the times, and enhance the pertinence and practicality of college English courses. At the same time, it can also promote the reform of college English courses, realize the transformation from "language teaching" to "quality education".

3) Guiding College Students to Use AI Correctly At present, college students are the main group using AI technology. Many students rely too much on AI translation, AI writing and other tools, which not only affects their language learning effect, but also lacks the ability to judge the ethical problems of AI. Integrating AI ethics

education into college English courses can guide students to correctly recognize the advantages and disadvantages of AI, use AI technology rationally, and avoid the negative impact of AI on their study and life.

4) Promoting the Healthy Development of AI Technology The healthy development of AI technology cannot be separated from the constraints of ethical norms. College students are the future promoters and developers of AI technology. Cultivating their AI ethics awareness and moral responsibility can help them abide by ethical norms in the process of developing and using AI technology, avoid the occurrence of unethical behaviors such as data leakage and algorithm bias, and promote the healthy and sustainable development of AI technology.

3. Paths of Integrating AI Ethics Education into College English Courses

Combined with the current problems in the integration process and the characteristics of college English courses, this paper puts forward the following integration paths, aiming to promote the in-depth integration of AI ethics education and college English courses, and improve the teaching effect and talent cultivation quality.

(1) Clarify the integration objectives, guided by talent cultivation

Universities should combine their own talent cultivation objectives and the characteristics of college students to clarify the objectives of integrating AI ethics education into college English courses. The integration objectives should be divided into three levels: basic level, intermediate level and advanced level. The basic level is to enable students to understand the basic concepts and ethical norms of AI, and establish preliminary AI ethics awareness; the intermediate level is to enable students to master the methods of identifying and solving simple AI ethical problems, and improve their moral judgment ability; the advanced level is to enable students to form correct AI values, and take social responsibility in the process of using and developing AI technology.

At the same time, it is necessary to clarify the responsibilities of teachers and students, guide teachers to take the initiative to integrate AI ethics education into teaching, and encourage students to actively participate in AI ethics learning and practice, so as to form a good atmosphere of "teaching and learning together".

(2) Optimize the teaching content, highlight pertinence and systematicness

1) Revise Textbooks and Add AI Ethics Content Universities and textbook compilers should revise college English textbooks in a timely manner, add content related to AI ethics, and form a systematic teaching content system. The content should include: the development history and ethical connotation of AI, the ethical problems brought by AI (such as data privacy, algorithm bias), the ethical norms of AI application in different fields, and the social responsibility of AI users. At the same time, the content should be closely combined with English language learning, such as selecting English articles, dialogues and cases related to AI ethics, so that students can improve their language ability while learning AI ethics knowledge.

2) Design Modular Teaching Content Combined with Professional Characteristics According to the professional characteristics of different students, design modular AI ethics teaching content. For example, for students majoring in computer and artificial intelligence, focus on the ethical issues in AI development and design; for students majoring in finance and economics, focus on the ethical issues in AI financial services; for students majoring in liberal arts, focus on the impact of AI on human culture and values. In this way, the teaching content can be more targeted, and meet the needs of different majors of students.

3) Collect and Sort Out Practical Teaching Cases Teachers should collect and sort out practical cases of AI ethical issues in real life, such as data leakage incidents, algorithm discrimination cases, etc., and integrate these cases into English teaching. Through case analysis and discussion, guide students to think about AI ethical problems, and deepen their understanding of ethical norms. At the same time, encourage students to collect English cases related to AI ethics by themselves, and share and exchange them in class, so as to improve their learning initiative.

(3) Innovate teaching methods, enhance interaction and participation

1) Adopt Case Teaching and Discussion Teaching Case teaching and discussion teaching are important methods to integrate AI ethics education into college English courses. Teachers can select typical AI ethical cases, let students read and analyze the cases in English, and organize group discussions to discuss the ethical issues in the cases and put forward solutions. In the discussion process, teachers should guide students to express their views in English, which not only improves their language expression ability, but also cultivates their ethical judgment ability.

2) Use Scenario Simulation and Role-Playing Teaching Create real AI application scenarios, such as AI translation ethics, AI interview ethics, etc., and let students carry out role-playing activities in English. For example, let students play the roles of AI developers, users and supervisors, and simulate the ethical problems encountered in the process of AI application, so that students can experience the importance of AI ethics in practice, and improve their ability to solve ethical problems.

3) Integrate Digital Technology and Build Mixed Teaching Mode Make full use of digital technology, build an online and offline mixed teaching mode. Online, set up AI ethics English learning platforms, provide students with English learning resources related to AI ethics, such as English videos, articles, forums, etc., and encourage students to learn independently online; offline, carry out interactive teaching activities such as case discussion and role-playing, and guide students to communicate and exchange. At the same time, use AI technology to design personalized learning plans for students, improve the learning effect.

(4) Strengthen teacher training, improve teachers' AI ethics literacy

1) Carry Out Special Training on AI Ethics Universities should carry out regular special training on AI ethics for college English teachers, invite experts in AI technology and AI ethics to give lectures, and help teachers systematically learn AI knowledge and ethical norms. The training content should include: the development trend of AI technology, the core content of AI ethics, the methods of integrating AI ethics into English teaching, etc. At the same time, organize teachers to participate in academic exchanges and teaching workshops related to AI ethics, and learn advanced teaching experience from other universities.

2) Encourage Teachers to Carry Out Teaching Research Encourage college English teachers to carry out research on the integration of AI ethics education into college English courses, set up special research projects, and support teachers to explore effective integration methods and paths. Teachers can work with experts in AI and ethics to carry out cooperative research, improve their research ability and teaching level. At the same time, encourage teachers to use AI technology in their own teaching practice, and accumulate experience in integrating AI ethics education.

3) Build a Professional Teaching Team Establish a professional teaching team composed of college English teachers, AI experts and ethics experts. The team members cooperate with each other, jointly design teaching content, develop teaching materials and carry out teaching activities. AI experts and ethics experts provide professional guidance for English teachers, helping them solve the difficulties encountered in the integration process, and improving the overall level of the teaching team.

4. Conclusion

Integrating artificial intelligence ethics education into college English courses is a necessary measure to adapt to the AI era, promote the reform of college English courses, and cultivate comprehensive talents. It not only enriches the connotation and value of college English courses, but also helps college students establish correct AI ethics concepts, improve their ethical awareness and moral judgment ability, and lay a solid foundation for their future study and work.

At present, the integration of AI ethics education into college English courses still faces many problems such

as unclear objectives, lack of teaching content, backward teaching methods, insufficient teachers' literacy and imperfect evaluation mechanism. To solve these problems, we need to clarify the integration objectives, optimize the teaching content, innovate teaching methods, strengthen teacher training and improve the evaluation mechanism. Only through the joint efforts of universities, teachers and students can we realize the in-depth integration of AI ethics education and college English courses, give full play to the role of college English courses in quality education, and cultivate high-quality talents who adapt to the development of the times and have correct ethical concepts.

Due to the limitations of the research scope and research methods, this study still has some deficiencies. In the future, with the further development of AI technology and college English teaching reform, we can carry out more in-depth empirical research, track the implementation effect of the integration path, and continuously adjust and optimize the integration strategy. At the same time, we can strengthen international exchanges and cooperation, learn advanced experience from foreign universities, and promote the healthy development of the integration of AI ethics education into college English courses.

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