

Study on the Impact of Chat GPT on the Education Work of College Counselors

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Abstract

Chat GPT has had a profound impact on the ideological education work of college counselors, providing convenient and efficient services, greatly enriching educational methods and resources. However, this technology has brought a series of challenges and risks to the management of ideological education for college students. This study explores the advantages, risks, and response strategies of Chat GPT for counselor education, providing reference and guidance for improving the ideological education and management level of college counselors.

Keywords

Chat GPT; Counselors; Ideological Education Work; Impact Research.

1. Introduction

The Chat GPT launched in early 2023 has undoubtedly become the focus of global attention, with its powerful features and extremely high evolution speed that are stunning. Chat GPT can be traced back to the Neural Network Language Model GPT (Generative Pre trained Transformer) launched by Open AI in 2015. GPT is a language model based on the Transformer architecture, which learns the probability distribution of language through large-scale unsupervised pre training and can be used to generate text, complete fill in the blank and other tasks. In order to further improve the performance of language models, Open AI introduces a method called "teacher reinforcement learning" to improve the answer quality of Chat GPT, which provides more accurate training signals by interacting with human presenters. Overall, the research background of Chat GPT is based on GPT and GPT-2, aiming to improve the quality and accuracy of language model generation in conversational interaction through larger scale pre training data, improved model architecture, and teacher reinforcement learning techniques. In 2021, the Ministry of Education pointed out that the next stage of work is to actively explore the empowerment of precision thinking through artificial intelligence (AI) and big data technology, use AI technology to identify work entry points, connect student funding, mental health education, academic counseling, and other work to form systematic solutions, and effectively promote the implementation of precision thinking. College ideological education is an important way to cultivate the comprehensive quality of college students. College students are the future and hope of the country, and their overall quality is directly related to the development and progress of the country. And ideological education in universities is precisely through cultivating students' ideological consciousness, moral qualities, social responsibility, and other aspects, to improve their comprehensive quality. With the emergence of Chat GPT, it will undoubtedly have a significant impact on ideological education in universities. Professor Qian Yingyi, Dean of the School of Economics and Management at Tsinghua University, pointed out that Chat GPT has completely eliminated the advantages of traditional Chinese education! Chat GPT can replace the work of a large number of teachers because it can undertake the task

of systematic knowledge transmission. It can be said that using Chat GPT for knowledge transmission can achieve both fast and good results because of its fast response speed, high accuracy, and strong comprehensiveness, far superior to ordinary educators. As a representative of the disruptive technology of artificial intelligence, Chat GPT has been extensively studied in various industries since its inception. However, it appears to be rare in the field of ideological education in universities and has become a weak link in research.

Document No. 43 of the Ministry of Education clearly states that counselors have dual identities as teachers and managers, and are the backbone of carrying out ideological education for college students. They are the organizers, implementers, and guides of daily ideological education and management work for higher education students. Counselors should strive to become life mentors for students to grow and succeed, and intimate friends for healthy living. From this, it can be seen that college counselors, as key implementers of ideological education in universities, highlight the particularity and professionalism of their profession. To become life mentors and close friends of students, emotional investment is required. Compared to artificial intelligence, this is a unique advantage of being an ideological education teacher. But with the continuous progress and development of high-tech industries such as artificial intelligence, ideological education in universities is facing new challenges. To do a good job in ideological education, we must keep pace with the times and keep up with the pace of the times in order to maximize the effectiveness of education. Therefore, this study mainly takes the perspective of university counselors as the entry point, explores the impact of Chat GPT on ideological education work in universities, analyzes the advantages, opportunities, and challenges brought by Chat GPT, and puts forward theoretical suggestions and references for the further development of ideological education work in universities.

2. Analysis of the Current Situation of using Chat GPT by College Counselors

The author conducted a questionnaire survey on college counselors, and the results showed that only 43% of counselors have used or are currently using Chat GPT for student management work. Among them, automatic response to inquiries, press releases, work planning and solutions, and notification generation are the most common usage scenarios. However, only 20% of counselors attempt to use Chat GPT for more in-depth and complex tasks, such as emotional analysis and psychological analysis. Despite the challenges, 90% of counselors believe that AI will play an important role in future student management. However, about 60% of respondents expressed concerns about the potential risks that AI may bring, especially regarding decision-making misleading and excessive reliance on technology. From the research results, it can be seen that, The application of Chat GPT in basic tasks such as automatic reply and notification generation has been widely recognized. This indicates that when dealing with standardized processes and repetitive work, Chat GPT can significantly reduce the workload of counselors. Although most counselors have a positive attitude towards Chat GPT, there are still many people who encounter technical and operational obstacles during the use process. This indicates the need to further simplify the operational process and provide targeted technical training and support.

Overall, the vast majority of counselors have an open attitude towards Chat GPT and have applied it to their daily management work. Chat GPT has significantly improved work efficiency in areas such as document writing, document writing, and notification writing. Counselors face challenges such as complex operations and data security when using Chat GPT. Despite concerns about the risks that AI may bring, most counselors believe that AI will be an important tool for future student management.

3. Analysis of the Advantages of Chat GPT in Counselor Education

3.1. Improving Education and Management Efficiency

Counselors are not only responsible for the daily management of students, mental health education, career planning guidance, and organizing cultural and sports activities, but more importantly, they provide ideological education and value guidance to college students. In daily education, they need to spend a lot of time and energy dealing with transactional work. The technical key of Chat GPT lies not only in "human-machine interaction", but also in "everyone interaction". With the empowerment and empowerment of Chat GPT technology, counselors are able to break free from mechanical and repetitive tasks such as table materials, information acquisition, data calculation, information screening, and trend analysis. They can devote their energy to more profound and emotional student work, continuously improving work efficiency and increasing the depth and breadth of education.

3.2. Innovative Education Management Models and Methods

Compared to traditional ideological education and management work, Chat GPT can integrate and reconstruct information content based on its massive language model, producing text that is difficult to predict externally in a black box mode. Different from the serious and rigid content production of traditional ideological education, this content production method effectively reconstructs the subject object relationship in discourse transmission and blurs the boundary between the subject and object of ideological education. As a peer-to-peer input and output mode, Chat GPT can judge the things and characteristics that students are concerned about during long-term Q&A interactions, such as the direction of their attention, learning dynamics, ideological dynamics, psychological dynamics, etc., reflecting the basic level of their ideological characteristics. The intervention of Chat GPT breaks the traditional centralized education mode and can provide educational guidance and management in a more interesting and relaxed way, meeting the needs of students to receive personalized education. In addition, Chat GPT can break through the limitations of time and space, help counselors efficiently complete data statistics, activity plans, organizational management, develop learning plans, career planning, employment guidance, etc., and safeguard the healthy growth of college students.

3.3. Stimulate the Enthusiasm of Educational Objects

Chat GPT provides personalized tutoring and guidance, adjusting tutoring content based on students' learning experience, ability level, and interests, to meet the unique needs of each student with customized services. Counselors can use this technology to create learning plans, provide targeted advice and feedback to students, and thus improve learning efficiency. Through multiple rounds of dialogue, Chat GPT is able to understand contextual information, conduct semantic comprehension and inference, accurately capture user intentions, and generate coherent responses. The experiment proved that this interactive experience is effective. In addition, Chat GPT's dialogue comprehension ability is suitable for the entire learning and tutoring process, supporting students' autonomy and adaptive learning. Students can adjust their learning strategies based on their existing knowledge, interests, and abilities, engage in self reflection and evaluation, thereby stimulating their learning enthusiasm, meeting personalized learning needs, and assisting in the cultivation of diverse talents.

4. Challenges and Risks of Chat GPT for Counselor Education Work

4.1. Overreliance and Lack of Innovation

Chat GPT has long provided information retrieval and learning consultation for students. From the perspective of ideological education and management by counselors, there is a risk of excessive dependence and lack of innovation among students. On the one hand, students may

overly rely on tools such as Chat GPT to acquire knowledge and solve problems, thereby reducing direct communication and interaction with counselors. In this situation, students lose the opportunity to cultivate critical thinking and independent problem-solving abilities, which is detrimental to their personal growth and academic development. On the other hand, excessive reliance on technological tools may lead to a lack of innovative thinking and creativity among students. When students become accustomed to obtaining quick and simple answers from Chat GPT, they may no longer be willing to delve into the essence of the problem or explore new solutions. This dependency will weaken students' innovation ability and ability to adapt to complex future problems.

4.2. Technological Blind Spots and Development Limitations

Although Chat GPT can provide a wide range of information and instant answers, its algorithms and databases have limitations and cannot fully understand the complex human emotions, cultural backgrounds, and subtle differences in specific educational environments. It is difficult to produce the profound language and hidden meanings that counselors need in conducting ideological education work, resulting in limited abilities in student development due to technical issues. Firstly, The training data of Chat GPT mainly comes from the Internet, which may contain bias and false information, thus affecting the quality of its output content. In ideological education, this bias may lead to students receiving inaccurate or misleading information, hindering their formation of correct worldviews and values. Secondly, Chat GPT lacks sensitivity to individual differences among students. Each student's growth environment, personality traits, and learning needs are different, and the standardized answers provided by Chat GPT cannot meet the personalized needs of all students. This one size fits all education approach may overlook the special needs of students, leading to their potential not being fully realized. Finally, excessive reliance on Chat GPT may limit students' innovative and critical thinking abilities. When students are accustomed to obtaining quick and simple answers from Chat GPT, they may no longer be willing to delve deeper into the essence of the problem or develop the ability to independently solve problems, which is detrimental to their future learning and life.

4.3. Adverse Information and Error Induction

The university period is an important stage for forming values and worldviews. The internet is a double-edged sword, Although Chat GPT effectively improves the work and learning efficiency of teachers and students, there is a risk of incorrect guidance. Firstly, due to the fact that Chat GPT is based on a large amount of online data for learning, it may unintentionally spread harmful information, such as incorrect values, harmful social discourse, and disrupting national security and stability. If these contents are presented directly to students without screening, they may have a negative impact on their thinking. Secondly, Chat GPT may lack the sensitivity and judgment of human counselors when dealing with complex problems, leading to incorrect or inappropriate guidance for students, thereby affecting their mental health and value formation.

4.4. Lack of Emotion and Loss of Speech

Chat GPT is difficult to simulate human moral judgment and emotional communication. In the process of ideological education, counselors not only impart knowledge, but also involve emotional support and moral guidance for students. Chat GPT cannot provide true emotional support and moral guidance, which may lead to a lack of emotional and moral development for students. At the end of the day, Chat GPT is another major breakthrough in technological development. As a high-end technological tool, it has never been able to completely replace the intuitive problems of counselors, teachers, and students in real situations, nor can it transform real problems into digital information and solutions through technology. Long term

convenience gained through the information interaction of Chat GPT may seem to possess a vast amount of information and rich resources, but in reality, it can obscure inner needs through a large amount of emotionless information, weakening the discourse power of counselors in ideological education.

5. Response Strategies of Chat GPT for Counselor Education Work

5.1. Adhere to the Basic Principle of Unchanged Educational Goals

Adhering to the educational goal of cultivating morality and nurturing talents, and cultivating the comprehensive development of students in morality, intelligence, physical fitness, aesthetics, and labor, is the key to responding to and preventing all threats posed by new technologies. Adhere to using Chat GPT as an auxiliary tool in educational work, maintain emotional, warm, and interactive student education management work, utilize the convenience it provides, and prevent potential threats and risks it brings. Not only can it keep up with the pace of the times, actively embrace the services of new technologies, but it can also enable new technologies to serve the ideological education and management work of counselors within a controllable range.

5.2. Improve One's Own Literacy and Adaptability

The above analysis presents many challenges and risks that Chat GPT faces in practical use, especially the attractiveness and dependence of educational objects on it. As an important force in higher education, it is urgent for the counselor team to have a deep understanding of the new technology of Chat GPT. On the one hand, it is necessary to have a clear understanding of the impact of Chat GPT on ideological dynamics and values, whether it will endanger the development of students' thinking, mental health, and even induce more serious misconceptions. Secondly, counselors should educate and guide students to use and view new things correctly based on actual situations. They should clearly recognize that Chat GPT does not possess abstract human understanding of the complex world, natural language generated is easily manipulated by hostile forces, knowledge fragmentation, and technical defects such as "serious nonsense" can also mislead college students to a large extent. Counselors should strengthen their learning and continuously improve their understanding and application ability of new technologies such as artificial intelligence, in order to better utilize these tools to assist educational work. At the same time, counselors also need to strengthen guidance and supervision of student online behavior, help students establish correct concepts of online use, and avoid excessive reliance or misleading information. Therefore, as a counselor in the new era, it is necessary to strengthen the understanding and research of artificial intelligence technologies such as Chat GPT, improve one's own technological literacy, and better serve educational work.

6. Conclusion

The birth of Chat GPT not only brings convenience to the education and management work of college counselors, provides efficient services, and highlights the advantages of Chat GPT in college education work, but also faces many challenges and risks. In the future, counselors must firmly adhere to the principle of unchanged educational goals and always position Chat GPT as an auxiliary tool. At the same time, strengthen the understanding and deepening of the new technology itself, so as to more effectively utilize the new technology to serve educational management work.

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References

- [1] Su Lin, Chen Hao Research on Empowering Network Ideological Discourse Power with Chat GPT Applications [J] Journal of Yan'an Vocational and Technical College, 2024,38 (02): 22-26. DOI: 10.13775/j.cnki.cn61-1472/g4.2024.02.005.
- [2] Du Xiaodong, Hu Mo. Recognizing Change and Adaptation - The Application Value, Potential Risks, and Response Strategies of Chat GPT in Ideological Education in Universities [J/OL]. Academic Exploration, 1-7 [2024-05-29] <http://kns.cnki.net/kcms/detail/53.1148.C.20240410.0858.020.html>.
- [3] Mao Wanjing The Impact and Response of Chat GPT on Ideological Work in Universities [J]. Communication and Copyright, 2024, (07): 95-98 DOI: 10.16852/j.cnki.45-1390/g2.2024.07.003.
- [4] Zhang Yaotian, You Junyi, Wang Jie Chat GPT Empowering Ideological Education in Universities: How Possible, Connotation Transformation, and Logical Evolution [J]. Journal of Qilu Normal University, 2024,39 (01): 9-15.
- [5] Qiu Zhiyuan, Li Xin The Five Challenges of Chat GPT to Ideological Education in Universities [J]. China Medical Education Technology, 2024,38 (01): 58-69 DOI: 10.13566/j.cnki.cmet.cn61-1317/g4.202401009.
- [6] Wu Yufei. Research on the Practice of New Models of Ideological Education in Vocational Colleges Based on Chat GPT [J]. Communication and Copyright, 2024, (02): 87-89 DOI: 10.16852/j.cnki.45-1390/g2.2024.02.006.
- [7] Cao Jie. The Value, Dilemma, and Response of the Class Chat GPT Model to Ideological Education in Universities [J]. Language and Culture Forum, 2023, (02): 238-247.
- [8] Shen Qiang An Analysis of the Value, Risk, and Path of Using Chat GPT Technology Models to Assist the Digital Transformation of Ideological Courses in Universities [J/OL]. Journal of West China Normal University (Philosophy and Social Sciences Edition), 1-12 [2024-05-29] <https://doi.org/10.16246/j.cnki.51-1674/c.20231127.001>.
- [9] Du Yunwang Challenge and Response of Chat GPT to Ideological Education in Universities [J]. Educational Arts, 2023, (11): 18-19.
- [10] Liao Nianzhong The Value, Impact, and Path of Empowering Ideological Education in Universities with Chat GPT [J]. Journal of Foshan University of Science and Technology (Social Science Edition), 2023,41 (06): 81-88 DOI: 10.13797/j.cnki.jfosu.1008-018x.2023.0070.
- [11] Wang Wei The potential risks and response strategies of applying Chat GPT to ideological education in universities [J]. Journal of Hubei Second Normal University, 2023,40 (07): 20-24.
- [12] Yang Song, Dong Ying, Yu Gen Zhong ChatGPT in Education: Ethical Considerations and Sentiment Analysis [J] International Journal of Information and Communication Technology Education (IJICTE), 2024, 20 (1): 1-19.