

Research on the Impact of Artificial Intelligence on the Content of Labor Education in Universities

Shu Xu

Guangzhou Huashang College, Guangzhou, Guangdong, 511300, China

Keywords: Artificial intelligence, Labor education, Innovate

Abstract: As an important force in the future group of the country, university students' labor consciousness is closely related to the growth of the country. The growth of AI (Artificial intelligence) era reshapes the concept of university students' labor quality, which has a great impact on the concept of university students' labor education and triggered the demand for university students' labor education. Therefore, in order to “save” the concept of labor in the intelligent age, the labor education for university students must conform to the pace of the times and innovate new educational methods. In the AI era, the labor education takes the cultivation of labor identity and labor thinking as the core goal, cooperative labor as the main organizational form, and labor practice as the key path, and strives to cultivate students' labor values and labor feelings in the embodied experience. Based on the above, this paper aims at grasping the deep integration of labor education and AI technology, and tries to discuss the optimization of labor education from the aspects of value guidance, organizational guarantee and multi-cooperation. On this basis, this paper puts forward the paths and countermeasures to scientifically and effectively carry out labor education for university students. In order to promote students to master the labor mode and innovation ability in the AI era.

1. Introduction

The growth of human civilization cannot be separated from the hard work of human beings, and the smooth operation of various labor forms depends on human manipulation in the final analysis [1]. Carrying out labor education is of great value in promoting people's physical and mental liberation and all-round development, realizing people's essence, and promoting the stage of educational modernization in China. As a strategic technology leading a new round of scientific and technological revolution and industrial upgrading, AI has a strong spillover effect [2]. It led the growth of the times, greatly changed people's production and life style, and even triggered the transformation of thinking mode. At the same time, AI technology has improved labor tools, labor patterns have been constantly changing, and labor relations have also changed [3]. For ordinary workers, the arrival of the AI era is full of malice, the wave of machines replacing people is constantly emerging, and regular physical work is constantly disappearing [4]. The labor education in universities is placed in the realistic social context, and the new features and changes in the AI era make us have to re-examine the labor education in universities and deepen our thinking and research on it.

The great changes of productive labor in the intelligent age have made the form single and the content obsolete since the industrial age, and the traditional labor education model with manual labor practice gradually declined, so education reform is imminent [5]. AI has become an important “booster” to promote the rapid economic development and education reform. AI and labor education are in agreement in terms of objectives, technology and value, thus providing development ideas for the application scenario of “AI+ labor education in universities” [6]. Under the background of AI in the new era, the important goal of labor education in universities is to cultivate comprehensive talents with strong will and high comprehensive quality, and to cultivate new young people with innovative thinking and fighting spirit. Under the current situation, how to correctly use and effectively play its functions, realize the deep integration and seamless connection between labor education and AI technology application, respond to the requirements of educating people in the new era, and build an education system that comprehensively cultivates morality, intelligence, physique and beauty is a realistic problem that needs to be explored urgently in labor education in universities [7]. This is not only a positive response to the central government's decision-making and deployment of labor education, but also a realistic demand for the combination of AI and labor education [8]. The cultivation of university students' labor thinking and the establishment of correct labor concept are closely related to the direction and pace of social development. Therefore, labor education in universities needs to conform to the requirements of the growth of the times, establish students' correct concept of labor education, improve students' comprehensive labor literacy by using AI, and cultivate high-quality talents with all-round development in morality, intelligence, beauty and labor for the society.

2. The New Situation of Labor Education in Universities under the Background of AI

From the perspective of purpose, labor education is for labor education; From the content requirements, it is about labor education; From the perspective of implementation, education is carried out in labor [9]. When labor education meets AI, it will also face a series of innovation requirements. With the wide application of intelligent technology, the value of repetitive and simple labor is weakened, and atypical labor has become a new feature of labor form. People's direct labor has become very hidden and mysterious, and it seems that wealth and a better life can be created without human labor. The necessity of labor education in the intelligent age has also been questioned. Labor education is an indispensable part of the education system, and labor education in different social production times has its distinctive characteristics. The AI era not only provides convenient conditions for labor education and promotes the maximization of personal value, but also impacts the existing labor structure, such as labor patterns and labor relations. Labor education is a “compulsory course” for every university student's life. Compared with ideology theory courses, labor education is more practical and exploratory. In the era of intelligence, labor education focuses on cultivating the intelligent thinking of educational objects, improving the ability of man-machine cooperation and the creative labor spirit of seeking truth and innovation. In order to adapt to the changes in the AI era, the labor education in universities must reconstruct the educational content, change the educational relationship and re-recognize the educational significance to meet the requirements of intelligence. Labor education requires educators not only to teach students simple labor theory knowledge and traditional labor skills, but also to cultivate students' moral consciousness, teach students to adapt to AI production environment and cultivate students' level of mastering intelligent technology.

3. The Influence of Ai Era on University Students' Labor Education

In the AI era, technology has been deeply integrated into people's production methods and

lifestyles, bringing great convenience to people's social life and production. However, technological development has its inherent logic and rules. The self-growth of technological system and the automaticity of technological progress may occasionally deviate from the preset track and break away from human control, leading to open or hidden domination [10]. In the era when the Internet is “raging”, people's way of thinking is changing accordingly. The double-edged sword of “intelligence” not only brings us great convenience, but also corrodes human thinking and reduces the frequency and sensitivity of human mental work. Great changes have taken place in the way, content and stage of labor. Labor has changed from manual to intelligent. Machines have replaced human physical labor and some mental labor, and new labor forms such as immaterial labor, digital labor and emotional labor have emerged.

4. The Present Situation of Labor Education in Universities and the Necessity of Reform

AI helps people get rid of mechanized and repetitive mental and physical labor, and people can use various intelligent tools to help themselves undertake heavy labor [11]. As an educational medium, AI is embedded in labor education, which also has a profound impact on the relationship between labor education. Labor education faces the problem of man-machine co-teaching, and the relationship in labor education extends from the relationship between educators and learners to the relationship between educators, machines and learners. Under the environment of the intelligent age, university students enjoy the convenience of science and technology, enrich their knowledge and increase their knowledge, while the concept of creating wealth through labor is gradually weakening. The main reason is that interpersonal communication, study and thinking, and practical labor in the intelligent age are all displayed in a brand-new way. Universities are the main fields for the implementation of university students' labor education. Under this background, how to conform to the trend of the AI era and respond to the demands of social development and personal growth is a major issue that needs to be studied and solved urgently. Labor education in universities can effectively temper students' will and cultivate their tenacious character; In addition, when university students participate in labor practice, they can also help them establish the will of teamwork and develop their innovative thinking ability, which is also in line with the educational goal of universities in the new era. Therefore, it is necessary to explore the reform path of labor education in AI environment. This is not only a positive response to the central government's decision-making on labor education, but also a realistic demand for the combination of AI and labor education.

5. Optimization Strategy of Labor Education in Universities under the Background of AI

5.1 Remodeling University Students' Labor Values

AI empowers labor education and promotes the high-quality growth of labor education in universities, but only by following the organic unity of regularity and purpose can this empowerment be reasonable. As the basic concept of Lide Shuren, the essential task of labor education is to guide students to understand the significance of labor education from a deeper level, so that they can correctly understand the value of labor diversification brought by the AI era and establish a correct concept of labor values. The construction of labor education mode in universities under the background of AI is shown in Figure 1.

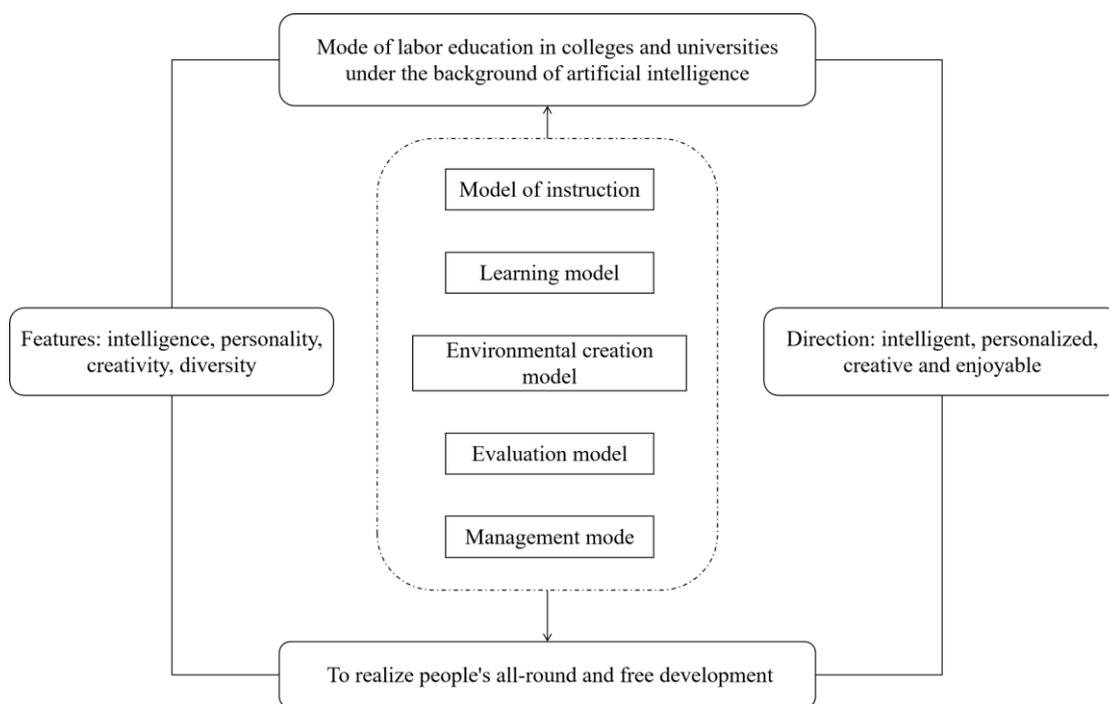


Fig.1 University Labor Education Model Based on Ai Background

Labor education in universities is an education with labor as its content, which has unique value for cultivating individual initiative, selectivity, initiative and innovation of university students, contributes to the all-round growth of students, and promotes the perfection of people's free personality and the all-round realization of people's values. The essence of labor education in universities is to focus on mental work, and strive to cultivate students' labor values and labor feelings in the embodied experience. Among them, mental work is the realistic embodiment of the core goal of labor thinking, embodied experience emphasizes labor practice, and values and labor emotion are the essential connotation of labor identity and cooperative labor.

The labor reform brought by AI not only drives the formal change of labor education, but more importantly, the transformation of “people”. The concept, purpose and value of labor education need to be remolded in the AI era. AI's reconstruction of the whole social and economic model urgently needs more talents with creative thinking and practical ability. The university students to be cultivated in the contemporary era are people with strong will and high labor quality, and young people in the new era with innovative spirit and struggle spirit. With the large-scale replacement of human labor by intelligent production system, labor will play its functions of leisure, entertainment and cultivation, and give birth to labor opportunities to promote people's free and all-round development, thus cultivating new workers with free personality and all-round development.

5.2 Form a New Practice Mechanism of Labor Education

Although intelligent technology has gradually empowered all walks of life, it is not omnipotent. The emotion and sentiment, unity and cooperation, and pragmatic labor spirit that people have produced in their labor are irreplaceable by intelligent technology. Therefore, “combining education with productive labor” is the concrete principle of labor education practice in universities. In the construction of labor education system, universities should take labor identity as the core, labor literacy education as the content and labor practice as the form. At the same time, we should adhere to the combination of education and productive labor, create important conditions for the all-round growth of university students' labor education, make university students know the basic principles

in the stage of productive labor in detail, and cultivate students' skills in using simple production tools. In the AI era, university labor education should not only explain the necessary labor knowledge and skills, but also pay attention to spreading educational contents such as labor spirit and labor value to students, so that students can adapt to the ever-changing objective world. At the same time, in order to promote the growth of university students' labor education in the intelligent age, it is an essential and primary step to create a good social environment and family atmosphere. Therefore, we should lay a good environmental foundation for cultivating new people with new historical characteristics in the intelligent era and establish a scientific mechanism of labor education institutions; So that students can participate in productive labor on the spot and guide them to create in housework, explore in field production and innovate in public service. Through labor practice, students can personally understand the difficulties of laborers, and then firmly establish the thoughts and feelings of respecting labor and loving labor, and change the bad thoughts of relaxing and hating work and getting rich overnight. The stage of applying AI technology to labor education practice is shown in Figure 2.



Fig.2 Process Diagram of Labor Education Practice

With the development and popularization of advanced technology, students can acquire labor knowledge conveniently. However, the transformation from knowledge to action will not occur spontaneously, and it is still necessary to deepen the labor experience in practice in order to obtain a more substantial understanding of the labor spirit. It should be noted that the stage of labor education needs to pay attention to practicality, creativity and pleasure, focusing on real labor, creative labor and aesthetic labor, but we should also be wary of excessive entertainment of labor. In the AI era, students' practice fields can be distributed in all corners of the country. With the help of AI technology, teachers' guidance can also avoid the phenomena of ex post-guidance, one-time summary and regretful reflection, and provide timely guidance and real-time feedback according to students' needs. In addition, universities should give full play to students' initiative and make AI a magnifying glass for students to tap their own labor value. In this way, people-oriented value can be realized, and all the construction of labor education theory and practice must take people as the core value. Only in this way can labor education under the background of AI truly realize its value and significance.

6. Conclusions

In today's world, a new round of scientific and technological revolution is in the ascendant.

Driven by this, intelligent technology is still developing rapidly. The more advanced the society and the more convenient the science and technology are, the weaker the human concept of labor will be and the necessity of labor education will be questioned. In the real world, labor education is the organic unity of life, education and practice. Under the background of AI, labor education faces the opportunities and challenges of content reconstruction, relationship change and meaning recognition. To meet the challenge, universities should shoulder the role of the main body of education bravely, hold a positive and prudent attitude, think about how to use AI to empower labor education, optimize labor education from the aspects of value guidance, organizational guarantee and diversified cooperation, and improve the effectiveness of labor education. Only in the embodied practice of the real life world can university students deepen their labor feelings, labor values and attitudes, feel the truth, goodness and beauty, realize the meaning of life, gain physical and mental freedom from physical perception to spiritual liberation, and move towards a better life. On the whole, AI-driven labor education reform has become a proposition of the times, and it is of far-reaching significance to explore how to help labor education with the advantages of AI.

Acknowledgements

The authors acknowledge the Guangzhou Huashang College Youth Academic Project “Research on Artificial Intelligence to Promote the Construction of College Normal University Students Adaptive Learning Mode” (project No. 2022HSXS044).

References

- [1] Hu Xuefeng. *Adaptability and change: labor education in universities in the era of artificial intelligence* [J]. *Teacher Education Forum*, 2021, 34(11):80-84.
- [2] Chen Weijun. *Infiltrating labor education in the teaching of artificial intelligence courses* [J]. *Knowledge Guide*, 2022(19):44-46.
- [3] Chen Lei. *Thinking and practice of integrating information technology into labor education-taking artificial intelligence project learning as an example* [J]. *Primary School Teaching Research*, 2022(32):53-54.
- [4] Yang Ying. *The breakthrough and innovation of labor education in the era of artificial intelligence* [J]. *Literary Teenagers*, 2020, 000(025):P.1-1.
- [5] Wang Yi, Wang Yufei, Wu Jiajia. *Labor education in the era of artificial intelligence: connotation, value and realization path* [J]. *Contemporary Education Forum*, 2021(2):10.
- [6] Feng Meng. *Construction of labor education mode in vocational universities under the background of artificial intelligence* [J]. *Vocational and Technical Education*, 2021, 42(22):6.
- [7] Huang Guifang, Li Yuzhu. *On the new way of artificial intelligence to empower labor education* [J]. *Basic Education Reference*, 2022(11):51-55.
- [8] Chen Suqian. *Research on the innovation of labor education in universities under the background of artificial intelligence* [J]. *Journal of Qiqihar University: Philosophy and Social Sciences Edition*, 2020(11):4.
- [9] Tai Yinglin. *Transformation and empowerment: artificial intelligence to promote the innovative growth of labor education* [J]. *Contemporary Education and Culture*, 2023, 15(1):6.
- [10] Pan Li, Yan Yan. *Artificial intelligence technology to empower labor education in universities* [J]. *School Party Building and Ideological Education*, 2022(23):5.
- [11] Xu Ling. *The paradigm transformation of labor education in the era of artificial intelligence and its practical path* [J]. *Popular literature and art: Academic Edition*, 2022(21):3.