

Exploration on the Integrated Development of Labor Education and Innovation and Entrepreneurship Education for Students in Applied Undergraduate Colleges and Universities

Yuding Wang^{1,a*}

¹ College of Physics and Electronic Engineering, Taishan University, Taian, China

^a wafight00@sina.com

*Corresponding author

Abstract: *The integration of labor education and innovation and entrepreneurship education serves as the development trend and inevitable requirement of talent training in applied undergraduate colleges and universities, which meets the requirements of the times. Besides, they are integrated in the cultivation objectives, cultivation methods and educational contents. The integration of labor education into innovation and entrepreneurship education is of positive significance to improve labor education and innovation and entrepreneurship education, optimize talent training mode and promote the all-round development of students. It is recommended to promote the integration of labor education into innovation and entrepreneurship education in colleges and universities by exploring the curriculum reform of labor education and innovation and entrepreneurship education, building a practical platform for the integration of labor education and innovation and entrepreneurship education, providing a construction mechanism with diversified teacher teams and forming a comprehensive external supporting environment.*

Keywords: *Labour Education; Innovation and Entrepreneurship Education; Integration*

1. Introduction

For the purpose of cultivating application-oriented high-quality talents with strong social adaptability and competitiveness, applied undergraduate colleges and universities explore the educational mode of combining new undergraduate education and new-level higher vocational education.^[1] Under the new economic situation, applied undergraduate colleges and universities have ushered in new development opportunities. "Productive labor provides everyone with the opportunity to fully develop and express their physical and mental abilities."^[2] With the unprecedentedly global scientific and technological innovation, human society has fully entered the era of artificial intelligence and information. "Labor" is endowed with new connotation. Creative labor characterized by "exploring truth" and "paying attention to practice" is becoming a vital concept of labor education in the new era.^[3] Integrating labor education into the cultivation process of students' innovative and entrepreneurial spirit in applied undergraduate colleges and universities is not only conducive to enriching the connotation of labor education in the new era, but also to enabling students to stimulate innovative consciousness and entrepreneurship in labor experience and creation.

2. Feasibility of Integrated Development of Labor Education and Innovation and Entrepreneurship Education

2.1 Meet the Development Requirements of the Times

"The whole so-called world history is nothing more than a process in which people were born through human labor". Marxist labor view holds that labor plays a fundamental role in the development of human society.^[4] Labor is a process of transforming nature by giving play to people's subjective initiative, in which there must be innovation. Labor is the only process of creating material civilization and spiritual civilization, and labor education is the key carrier of cultivating labor spirit. Practical labor helps to

cultivate students' innovative and entrepreneurial consciousness, which play a key role in the improvement of students' labor quality.

2.2 Integration of Training Objectives

Both labor education and innovation and entrepreneurship education aim to temper students' practical character and improve students' comprehensive quality. On the one hand, students strengthen labor skills, cultivate labor consciousness and feeling, form labor habits, comprehensively cultivate their practical character and lay the foundation for all kinds of labor practice in the future by participating in different forms of labor activities. On the other hand, the goal of labor education and innovation and entrepreneurship education is to improve students' comprehensive quality, help students cultivate and improve their core competitiveness and promote their comprehensive quality.

2.3 Commonality of Cultivation Methods

Practical training is the final implementation form of labor education and innovation and entrepreneurship education. Innovation and entrepreneurship is planning, labor is process, and practice is the final unity of the two. On the one hand, innovation and entrepreneurship education needs practice. Students' innovation consciousness and thoughts, entrepreneurship quality and ability can be truly improved in practice. Practice is the most significant demand of innovation and entrepreneurship education. On the other hand, practice is the essential feature of labor education. On the basis of theoretical study, labor education must eventually be implemented to "do", correctly realize labor value and establish labor consciousness in labor practice.

2.4 Relevance of Educational Content

Both labor education and innovation and entrepreneurship education are practical education in essence.^[5] Based on the essence and basic law of practical activities, labor education and innovation and entrepreneurship education require two aspects of education. First, spiritual education, which aims to stimulate the subjective initiative of educational objects; Second, practical operation ability, which aims to cultivate students' ability to solve practical problems. On the one hand, both labor education and innovation and entrepreneurship education need to cultivate students' labor spirit; On the other hand, it is necessary to cultivate students' ability of entrepreneurship and practice. Practical operation ability is not only the basic condition for the development of labor, but also the basis for innovation and entrepreneurship activities.

3. Significance of Integrated Development of Labor Education and Innovation and Entrepreneurship Education

3.1 Improve Innovation and Entrepreneurship Education in Colleges and Universities

The innovation and entrepreneurship education is to improve students' innovative spirit, entrepreneurial consciousness and entrepreneurial ability in essence through the two-way integration of theory and practice. It is a kind of practical education and quality education. Integrating innovation and entrepreneurship education into labor education helps to make innovation and entrepreneurship return to the practice standard, eliminate the disadvantages of college and university students' immature thoughts and lack of hard-working spirit, enhance their social responsibility, improve professional quality, and further cultivate innovation and entrepreneurship thoughts under the correct labor values, so as to improve their innovation and entrepreneurship ability.

3.2 Help Labor Education in Colleges and Universities Keep Pace with the Times

Innovation and entrepreneurship is the source of power to promote labor education. On the one hand, under the innovation driven environment, exploring the training mode of innovative and entrepreneurial talents helps to enrich the ways and methods of labor education, expand the research objects of labor education, and improve the discipline system and assessment and evaluation system of labor education; On the other hand, innovation and entrepreneurship education in colleges and universities is highly consistent with the spirit of the times and social development, which helps students jump out of the inherent concept of labor, break the old thought that labor is merely mechanical physical labor, form the

concept of labor creation, make labor education resonate with the spirit of the times, and enhance the effectiveness and timeliness of labor education.

3.3 Optimize the Talent Training Mode of Colleges and Universities in the New Era

Colleges and universities continue to infiltrate the elements of labor education and the awareness of innovation and entrepreneurship in the teaching process, innovate the teaching concept of professional courses, and integrate labor education, innovation and entrepreneurship education and professional teaching. On the one hand, labor education provides value guidance for innovation and entrepreneurship education in terms of outlook on life and values, especially the spirit of model workers and craftsman spirit; On the other hand, the essential attribute of innovation and entrepreneurship education in line with labor practice endows labor education with diversification in form and modernity in content. Integration can improve the effectiveness and systematicness of college and university teaching, so as to promote the optimization and reform of talent training mode and help students' all-round development.

3.4 Promote the All-round Development of Students

On the one hand, it is conducive to cultivating college and university students' enterprising innovative spirit and adventurous spirit of exploration. Integrating labor education into the cultivation of college and university students' innovative and entrepreneurial spirit enables students to test theoretical knowledge and previous experience in practical situations, awaken individual cognitive needs for things in practical application, explore laws and understand the unknown, so as to cultivate outstanding quality of enterprising and exploration. On the other hand, it is conducive to cultivating college and university students' realistic and pragmatic spirit of struggle and the spirit of unity and cooperation. Students consolidate their working habits, cultivate their working feelings, realize their self-worth in work, realize the significance of communication and cooperation among team members in practice, and share entrepreneurial achievements by opening up an inclusive and win-win cooperation platform.

4. The Path of Integrated Development of Labor Education and Innovation and Entrepreneurship Education

4.1 Explore the Curriculum Reform of Innovation and Entrepreneurship Education and Labor Education

Curriculum is not only the main channel of talent training, but also the most direct, core and effective form of education for students.^[3] Labor education and innovation and entrepreneurship education are highly consistent in terms of educational objectives, educational contents and educational forms. Effectively integrating labor education into the innovation and entrepreneurship curriculum system is the most direct way to realize the deep integration and coordinated promotion of labor education and innovation and entrepreneurship education. The hierarchical, phased and targeted curriculum system design ensures that the education process covers multiple dimensions of value shaping, knowledge imparting and ability training of labor education, and gives full play to the comprehensive educational value of labor education. In the course teaching, it is necessary to abandon the traditional knowledge teaching mode, avoid idle theorizing, rebuild the educational scene, reorganize the teaching team, and create a "knowledge-based, expert and practical" entrepreneurship and innovation teaching team. In the course setting process, it is encouraged to fully tap online teaching resources, and integrate labor education into the cultivation process of innovation and entrepreneurship by means of online classroom and micro lecture. Relying on the platform of university-enterprise cooperation and industry education integration, colleges and universities should build communication channels for students with entrepreneurs and craftsmen, and give full play to the demonstration and leading role of example spirit by organizing online discussions and interviews.

4.2 Build a Practical Platform for the Integration of Labor Education and Innovation and Entrepreneurship Education

Both labor education and innovation and entrepreneurship education need to be carried out in practice, which has built a unified platform for the integration of the two. Building an integrated practice platform is the main way to realize the integration. First, based on the rich and diverse student associations of colleges and universities, cultivate students' labor enthusiasm, consolidate students' labor foundation and

improve students' innovation literacy by leading students to participate in activities such as science, technology and culture festival, technical skills training course and holiday social practice investigation; Second, based on the in-depth cooperation between colleges and universities and enterprises, strengthen the "practice" link in the innovation and entrepreneurship system, and make up for the shortcomings of innovation and entrepreneurship education by integrating the elements of innovation and entrepreneurship education into the post-internship program. Third, use the new information management platform of Internet+ resource sharing, project management, results cultivation and service integration to guide students to adapt to the new changes in social development with new technologies such as Internet of things, cloud computing, big data and artificial intelligence to carry out scientific popularization, innovative experiments and innovation training.

4.3 Build a Diversified Teaching Staff Construction Mechanism, Improve the Innovation and Entrepreneurship, and Cultivate Teachers

To realize the integrated development of labor education and innovation and entrepreneurship education, it is suggested to optimize teacher structure and equip a professional teacher team with both labor education awareness and rich innovation and entrepreneurship knowledge.^[6] On the one hand, in order to strengthen teacher training, government education departments and colleges and universities should strengthen the top-level design, introduce a teacher training system integrating labor education and innovative education, set up a special teacher training channel, encourage enterprises to accept full-time teachers for production and management practice, and realize the connection between the content of teaching practice and the job needs of enterprises and the forefront of industry development. On the other hand, according to different general education, practical guidance and consulting, teachers' teams with the participation of supervisors, enterprise elites and social organizations should be established, and a reuse mechanism of teachers' teams of labor education and innovation and entrepreneurship education should be established. Internal training and external introduction are combined to effectively improve the comprehensive teaching professional ability of teachers.

4.4 Strengthen Organizational Management and Build an All-round External Support Environment

First, innovate the cooperation mechanism of various departments of colleges and universities, reasonably allocate the advantageous resources of various departments in labor education and innovative education, give full play to the professional and technical advantages of teaching departments, the student management advantages of student work departments, the overall planning advantages of curriculum resources of educational administration departments and the teacher management advantages of personnel departments, and jointly participate in the cultivation of innovative labor education, twist into a joint force of education to realize the maximum effect of innovative labor education. Second, summarize and promote good experience practices, select successful models of students' innovation and entrepreneurship and teachers' teaching innovation around the integration of the two, enrich publicity forms and cultivate creative labor culture, so as to provide a good cultural environment for the integration.

5. Conclusion

The integrated development of labor education and innovation and entrepreneurship education is the basic path for applied undergraduate colleges and universities to deepen teaching reform and create an upgraded version of innovation and entrepreneurship education. It is an innovative measure to realize people's all-round development and improve the quality of talent training. The integration of labor education and innovation and entrepreneurship education should be a new requirement for the education of applied undergraduate colleges and universities. Under the new requirements, applied undergraduate colleges and universities meet new challenges and fully stimulate entrepreneurial spirit and innovative gene by exploring the curriculum reform of labor education and innovation and entrepreneurship education, building a practical platform for the integration of labor education and innovation and entrepreneurship education, forming a diversified teaching staff construction mechanism, and building an all-round external support environment, promoting the organic integration of labor education and innovation and entrepreneurship education, and realizing the win-win situation of high-quality talent training and college and university education.

References

- [1] Hu Yulan. *The processing method of teaching the same courses in undergraduate and junior colleges at the same time* [J]. *Science & Technology Information*, 2018, 16(22):155+159. DOI:10.16661/j.cnki.1672-3791.2018.22.155.
- [2] Karl Marx, Friedrich Engels. *Complete Works of Max and Engels: Volume 3* [C]. People's Publishing House, 1972: 333.
- [3] Zhu Cuilan, Sun Qiuye. *Exploration and practice of integrating labor education into innovation and Entrepreneurship Education* [J]. *Social Sciences Journal of Universities in Shanxi*, 2021, 33(07):67-72. DOI:10.16396/j.cnki.sxgskxb.2021.07.013.
- [4] Wu Yulin. *On the practical rationality of Marxist Philosophy* [J]. *Academic Research*, 2015(06):12-19+159.
- [5] Wang Peng. *Identify the meeting point between labor education and Entrepreneurship Education* [N]. *China Education Daily*, 2020-04-30 (8).
- [6] Qin Bo, Yao Zhengxiu. *Research on the strategy of integrating the cultivation of craftsman spirit into innovation and entrepreneurship education in Colleges and Universities* [J]. *Journal of Chongqing University of Education*, 2020, 33(01):85-89.