

Research on the Talent Training Model and Influencing Factors of Integration between Industry and Education in Applied Undergraduate Colleges

Yanli Gao

Academic Affairs Office, University of Sanya, Sanya, Hainan, China

Abstract: In the context of increasingly fierce competition for talent and employment in the new era, it is of great significance for applied undergraduate colleges to build a talent training model that integrates industry and education to increase employment opportunities for college students, promote regional economic development, and promote sustainable development of universities. However, research has found that the main factors affecting the effectiveness of the construction of the integrated talent-training model for applied undergraduate colleges and universities are communication and exchange between schools and enterprises, teacher team construction, and student participation awareness. Based on this, measures such as strengthening effective communication between schools and enterprises, promoting cooperation between schools and enterprises, improving the construction of teaching staff, providing integration guarantees, transforming students' ideological concepts, and enhancing participation can be taken to enhance the effectiveness of the construction of the integrated talent training model of industry and education in applied undergraduate colleges. This can enable application-oriented undergraduate institutions to better shoulder the educational mission of educating people for the country and the Party, as well as the important task of the times.

Keywords: Applied Undergraduate Program; Integration between Industry and Education; Talent Cultivation; Influence Factor

1. Introduction

The essence of industry education integration is to achieve the integration of production and

education training. For applied undergraduate institutions, the integration between industry and education is not only an important means to improve the quality of their application-oriented talent cultivation, but also a long-term strategy and leading model for talent cultivation that they should adhere to. At present, the common problem that confuses most applied undergraduate institutions is how to truly achieve the integration of industry and education. Therefore, it is crucial to deeply analyze the influencing factors of the talent cultivation model of industry education integration, and explore practical and feasible strategies to promote the construction of the talent cultivation model of industry education integration based on it, in order to solve the confusion of applied undergraduate colleges.

2. The Importance of the Talent Training Model of Industry-Education Integration in Applied Undergraduate Colleges

In the context of the new era of education, application-oriented undergraduate colleges can better understand the market demand for talent and the development trends of various industries by collaborating with enterprises to build a talent training model that integrates industry and education. Guided by this, it can improve the quality of teaching and the level of talent cultivation, thereby making greater contributions to the economic and social development of the country and local areas.

2.1 To Increase Employment Opportunities for College Students

In the context of increasingly fierce competition for talent and employment in the new era, the construction of an integrated talent training model between industry and education in applied undergraduate colleges can effectively improve the professional practical ability and comprehensive literacy of college

students, enabling them to better adapt to the talent needs of modern enterprises and future society. Applied undergraduate colleges can enhance the depth of integration between industry and education through teaching and employment cooperation with enterprises, allowing students to understand the operation and management of modern enterprises in practice. It can also enable students to master the practical operational skills that their major should possess. This will greatly enhance their competitiveness in the future job market, making it easier for them to obtain ideal jobs and employment opportunities. [1]

2.2 To Promote the Development of Regional Economy

The high-quality and sustainable development of regional economy cannot be separated from the comprehensive development of high-quality applied talents; The construction of a talent cultivation model that integrates industry and education in applied undergraduate colleges can enhance communication and cooperation with local enterprises, and better understand the development trends and talent needs of local enterprises. This helps universities to adjust their professional curriculum and teaching content in a timely manner, in order to cultivate high-quality applied talents that meet the development trends of local enterprises and the needs of social progress. In short, there is a mutually reinforcing and win-win relationship between applied undergraduate institutions and regional economic development. On the one hand, most high-quality applied talents trained by applied undergraduate colleges will enter local enterprises after graduation, bringing economic benefits to the enterprises and promoting regional economic development; On the other hand, regional economic development will also attract more students and talents to study and work locally. [2]

2.3 To Promote Sustainable Development of Universities

In the context of increasingly fierce competition for talent and employment, the construction of an integrated industry education talent training model in applied undergraduate colleges is not only a key measure to keep up with the pace of development and improve the effectiveness of university education, but also an important way to meet the demand for talent

in society and promote the sustainable development of universities. In the perspective of industry education integration, application-oriented undergraduate colleges can integrate and utilize high-quality resources in industries and enterprises to optimize their professional curriculum, promote the modernization of teaching, research, and reform, make up for the shortcomings of practical teaching in traditional education models, and continuously improve the quality of talent cultivation in their own schools. This can also promote our school to better implement the talent training goals of educating people for the country and the Party, thereby achieving high-quality and sustainable development of our school.

3. Factors Influencing the Talent Cultivation Model of Industry-Education Integration in Applied Undergraduate Colleges

The construction of a talent cultivation model that integrates industry and education, as an important measure to promote the integrated development of education, technology, and talent, has pointed out the direction and path for the current application-oriented undergraduate colleges to carry out application-oriented talent cultivation. Based on the practice of constructing a talent cultivation model for the integration between industry and education in applied undergraduate colleges in China, the main factors affecting its effectiveness include school enterprise cooperation and exchange, teacher team construction, and student participation awareness.

3.1 School-Enterprise Communication and Exchange

The integration between industry and education in talent cultivation mode refers to the formation of a community of talent cultivation interests between industrial enterprises and higher education institutions; Through the two-way efforts and integration of industrial enterprises and higher education institutions, universities can cultivate high-quality applied talents that meet the needs of enterprise industrial development. Therefore, communication and two-way integration between schools and enterprises are key influencing factors for the talent cultivation model of industry education integration in

applied undergraduate colleges. Only by strengthening effective communication between applied undergraduate colleges and related enterprises, establishing good and long-term cooperative relationships, jointly formulating talent training plans, clarifying talent training goals, participating in the teaching process together, and achieving an organic combination of theoretical and practical teaching, can both parties achieve mutual benefit and win-win in talent training.

3.2 Construction of Teaching Staff

The construction of an application-oriented teaching staff is also an important influencing factor for the talent cultivation model of industry-education integration in application-oriented undergraduate colleges. The talent cultivation model of industry education integration requires applied undergraduate colleges to have "dual teachers and dual abilities" teachers with high literacy and skills; This requires university teachers in each major not only to have solid professional knowledge and teaching abilities, but also to have certain practical experience and industry background related to the profession they teach. Only in this way can we adapt to the current educational and talent cultivation needs of applied undergraduate colleges. Only then can applied undergraduate colleges help cultivate applied talents who not only possess solid professional theoretical knowledge, but also possess strong professional practical skills and innovative abilities that meet the needs of enterprises, industries, and society.

3.3 Student Participation Awareness

The awareness of student participation is also one of the important influencing factors of the talent cultivation model of industry education integration in applied undergraduate colleges. The students of applied undergraduate colleges are the training objects and participants in the talent cultivation model of industry education integration. Their own ideological concepts and subjective initiative in learning, practical training, and employment directly affect the depth and effectiveness of industry education integration in the talent cultivation model to a certain extent. Only with the active participation of college students can we truly achieve the goal of building a talent cultivation model that integrates industry and education in

applied undergraduate colleges. However, currently, most students feel a sense and state of wanting to relax and being at a loss when entering undergraduate studies, after 12 years of exam oriented education and training; Some college students do not have a strong interest in their chosen major, have no learning goals, and do not want to participate in any practical activities and internship projects organized by the school. This negative talent cultivation mindset will to some extent lead to the stagnation of industry education integration.

4. The Construction Path of the Talent Training Model for Industry-Education Integration in Applied Undergraduate Colleges

In the context of the new era of education, applied undergraduate colleges should keep up with the times, in order to effectively play the important role of the integration of industry and education in talent cultivation. By strengthening effective communication between schools and enterprises, promoting cooperation between schools and enterprises, improving the construction of teaching staff, providing integration guarantees, transforming students' ideological concepts, and enhancing participation, the effectiveness of the construction of the industry education integration talent training model can be improved. This can further promote its own high-quality and sustainable development.

4.1 To Strengthen Effective Communication Between Schools and Enterprises, and Promote Cooperation Between Schools and Enterprises

In the context of the new era of education, in order to promote the deep integration of industry and education, achieve mutual interaction and mutual benefit between schools and enterprises, applied undergraduate colleges must continuously strengthen effective communication between schools and enterprises, innovate cooperation models between schools and enterprises, deepen cooperation content between schools and enterprises, and further enhance the effectiveness of cooperation between schools and enterprises. Firstly, application-oriented undergraduate institutions can strengthen communication and exchange with enterprises by regularly holding school enterprise

cooperation symposiums and exchange meetings, in order to timely understand and grasp the talent needs and changes of enterprises, and adjust their own application-oriented talent training plans in a timely manner; Secondly, application-oriented undergraduate institutions should deepen the content of school-enterprise cooperation, actively invite enterprises to participate in the formulation of talent training plans, jointly carry out practical teaching and project teaching activities with enterprises, optimize professional curriculum settings, and jointly innovate the assessment and evaluation mechanism for application-oriented talent cultivation. This can continuously promote the breadth and depth of school-enterprise cooperation, and thus promote the integration of industry and education in the talent cultivation model to achieve an ideal state.

4.2 To Improve the Construction of Teaching Staff and Provide Integrated Guarantees

In the context of the new era of education, in order to cultivate well-rounded talents that meet the needs of enterprise and social development, applied undergraduate colleges must improve the construction of applied teaching staff, thereby providing important guarantees for enhancing the depth of industry education integration. [3] Firstly, application-oriented undergraduate institutions can arrange for teachers from various majors to participate in training, inspections, and other activities related to their respective majors. This allows teachers to have a better understanding of the actual operation of enterprises and industry development trends, in order to better guide students in practical internships; Secondly, application-oriented undergraduate institutions can hire high-end technical personnel and experts from enterprises to serve as part-time teachers in related majors, thereby enriching the structure of the teaching staff; Finally, applied undergraduate institutions can also establish incentive mechanisms to encourage teachers to actively participate in or develop industry education integration projects. By collaborating with enterprises to develop courses, write textbooks, conduct scientific research, research projects, and other methods, teachers can improve their practical teaching abilities, thereby improving the quality of practical

teaching.

4.3 To Transform Student Ideology and Enhancing Participation

In the context of the new era of education, in order to achieve the ideal state of deep integration between middle and education in the talent cultivation model, applied undergraduate colleges must guide students to change their ideological concepts, thereby enhancing their participation. Firstly, application-oriented undergraduate institutions can introduce the important significance of industry education integration for personal learning and career development to students by holding lectures, presentations, and other activities when they first start their studies. This changes students' ideological concepts, changes their sense of helplessness when they first enter university, and enhances their subjective willingness to participate in professional internships and practical training during their university years; Secondly, applied undergraduate institutions can encourage college students to actively participate in industry education integration projects by increasing credits, issuing scholarships, and providing internship subsidies. This can improve the professional practical ability and comprehensive literacy of college students, and promote their comprehensive development.

5. Conclusion

In the context of increasingly fierce talent and employment competition in the new era, the construction of an integrated industry education talent training model in applied undergraduate colleges is a talent training channel and approach that has been continuously explored and adapted to the needs of social development, and plays a very important role. This is not only beneficial for increasing employment opportunities for college students, but also for promoting regional economic development and promoting sustainable development of universities. At present, the talent cultivation mode of applied undergraduate colleges in China has not yet reached the ideal state of deep integration of industry and education. The factors that affect their achievement of the ideal state of deep integration of industry and education mainly include school enterprise cooperation and exchange, teacher team construction, and student participation

awareness. Therefore, in order to further promote the deep integration of industry and education in the talent cultivation model, applied undergraduate colleges must raise awareness, improve the mechanism of school enterprise cooperation and exchange, improve the construction of applied teaching staff, and guide students to change their ideological concepts. This can promote the improvement of the quality and level of talent cultivation.

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References

- [1] Zhang Shanshan. Research on Talent Training Strategies in Applied Undergraduate Colleges under the Background of Industry Education Integration [J]. Chinese & Foreign Corporate Culture, 2023, (11): 206-209
- [2] Zhu Haitao. Exploring the Path of Transforming Talent Training Models in Applied Undergraduate Colleges from the Perspective of Industry Education Integration [J]. Journal of Chengdu Technological University, 2023,26 (01): 86-90
- [3] Zheng Xiumei, Yan Youxi, Xu Jun. Analysis of the Integrated Training Model of Industry and Education in Applied Undergraduate Colleges [J]. Journal of Beibu Gulf University, 2018,33 (10): 62-66