

# Research on the Cultivation of Innovative Ability of Vocational College Students in the Dual Mentorship Model

Jiaojiao Chen, Hu Yao<sup>\*(corresponding author)</sup>

Yunnan Open University, Kunming, Yunnan 650500, China

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**Abstract:** This study aims to explore the role of the dual mentorship model in cultivating the innovative ability of vocational college students. In the current social context, the cultivation of innovative ability is of great significance for vocational college students, directly related to their future career development and competitiveness. The dual mentorship model, as a new educational model, aims to achieve the organic integration of theory and practice through the joint guidance of college faculty and industry professionals, comprehensively enhancing students' innovative ability. The study found that the dual mentorship model can provide students with diverse learning opportunities and practical platforms, helping to stimulate students' interest in learning and innovative thinking. Additionally, this model can create a positive learning atmosphere, promote communication and collaboration between teachers and students, and further enhance students' innovative ability.

**Keywords:** Dual mentorship model; Vocational college; Student innovative ability; Cultivation research

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## Introduction

With the arrival of the era of knowledge economy, innovation ability has become one of the important criteria for measuring the quality of talents. As an important base for cultivating skilled talents, vocational colleges shoulder the important mission of improving students' innovation ability. The dual-mentor model, as a new educational model, has gradually attracted attention in the cultivation of talents in vocational colleges. This model introduces enterprise mentors to jointly guide students with college mentors, achieving a deep integration of industry, academia, and research, which is conducive to improving students' practical ability and innovation ability.

## 1. Significance and Purpose of the Study

The dual mentorship model refers to a mode in which students are guided and mentored by two mentors simultaneously during their learning and research processes. In the research on cultivating the innovative ability of vocational college students, the dual mentorship model holds significant importance and purposes.

Firstly, enhancing the quality of education and students' overall qualities. The dual mentorship model can better meet students' personalized learning needs, providing students with a more comprehensive and in-depth learning experience. By combining the strengths of academic mentors and practical mentors, this model helps students to fully comprehend theoretical knowledge and apply it in practical situations. This model is conducive to cultivating more students with innovative thinking, practical skills, and higher overall qualities.

Secondly, promoting the integration of industry, academia, and research and reform in vocational education. The dual mentorship model typically involves close collaboration between schools and external entities such as businesses and industries, facilitating the deep integration of industry, academia, and research and optimizing the allocation of educational resources. Additionally, research and implementation of this model help drive reforms and innovations in vocational education, enhancing the social impact and competitiveness of vocational education.

Thirdly, promoting students' employment and social adaptation. The dual mentorship model combines professional guidance with practical guidance to help students enhance their innovative abilities comprehensively. In today's highly competitive job market, students with innovative abilities and practical experience are more competitive. The dual mentorship model, by providing practical opportunities and fostering professional skills, helps students better adapt to workplace demands and enhance their competitiveness in employment.

Fourthly, cultivating high-quality talents with innovative abilities. The core purpose of the dual mentorship model is to stimulate students' innovative thinking through the joint guidance of two mentors, cultivating their abilities for independent thinking and problem-solving to meet society's demand for innovative talents. Additionally, the two mentors may come from different disciplinary backgrounds, and their communication and collaboration can promote students' interdisciplinary thinking development and inspire innovative ideas.

Fifthly, promoting the close integration of vocational education with regional economic and social development. The dual mentorship

model facilitates the close integration of vocational education with regional economic and social development, promoting vocational colleges to better serve the development of the local economy and society through industry-academia collaboration and other means.

Therefore, the significance and purposes of research on cultivating the innovative abilities of vocational college students in the dual mentorship model lie not only in enhancing the quality of education and students' overall qualities but also in driving the innovative development of vocational education and its close alignment with societal needs.

## 2. The Role of the Dual Mentorship Model in Cultivating Innovative Abilities

The dual mentorship model plays a crucial role in cultivating innovative abilities. By combining the strengths of academic mentors and practical mentors, this model provides students with a more comprehensive and in-depth learning experience, thereby aiding in the development of their innovative abilities.

Firstly, the dual mentorship model typically consists of an academic mentor and an industry mentor. The academic mentor often possesses rich theoretical knowledge and research experience, capable of providing students with a solid academic foundation and guiding them in in-depth academic research. The industry mentor, on the other hand, brings practical work experience and industry resources, offering students practical opportunities and career guidance. This blend of expert guidance and interdisciplinary interaction helps students gain a more holistic understanding of issues and fosters the formation of innovative thinking.

Secondly, the combination of academic and industry mentors allows students to better apply their knowledge to real-world problems on the basis of theoretical learning. Through collaboration with industry, industry mentors can typically provide opportunities for real projects and support resources. Students can engage in practical projects, applying theoretical knowledge to practice and solving real-world problems. By allowing students to practice in authentic settings, their innovative abilities are better nurtured.

Thirdly, the dual mentorship model exposes students to a broader range of knowledge and experiences, expanding their perspectives and ways of thinking. Academic mentors and industry mentors come from different fields, enabling students to think across disciplines and inspiring innovative ideas.

Fourthly, the dual mentorship model also promotes the integration of academia and industry. The collaboration and communication between academic mentors and industry mentors help drive the translation and application of academic research outcomes, making research results more aligned with market demands. This integration not only enhances students' innovative abilities but also promotes the integration of technological innovation with industrial development, enhancing China's technological innovation capabilities and competitiveness.

Fifthly, the dual mentorship model provides students with more learning resources and guidance. The two mentors can offer more personalized guidance and assistance from different perspectives and levels based on students' individual characteristics and needs, helping them address issues encountered during their learning and research processes. This comprehensive support helps boost students' confidence and motivation, further stimulating their innovative potential.

Therefore, the dual mentorship model plays a significant role in cultivating innovative abilities by combining academia and practice, promoting the integration of industry, academia, and research, and providing comprehensive learning support.

## 3. Evaluation of the Impact of the Dual Mentorship Model on Students' Innovative Abilities

The impact of the dual mentorship model on students' innovative thinking. Firstly, the dual mentorship model provides students with a broader academic perspective and practical opportunities. Secondly, it promotes students' interdisciplinary learning and thinking. Thirdly, it emphasizes cultivating students' critical thinking and independent learning abilities. Fourthly, it offers students more innovative resources and support.

The impact of the dual mentorship model on students' innovative practical abilities. Firstly, it provides students with abundant practical opportunities. Secondly, it stimulates students' innovative thinking. Thirdly, it offers students more innovative resources and support. Fourthly, it enhances students' confidence and sense of achievement.

The impact of the dual mentorship model on students' innovative outcomes. Firstly, it provides a perfect combination of academia and practice. Secondly, it fosters students' interdisciplinary integration and innovation. Thirdly, it provides students with more innovative resources and support. Fourthly, it focuses on cultivating students' innovative and practical abilities.

## 4. Opportunities and Advantages of the Dual Mentorship Model for Innovative Education in Vocational Colleges

The opportunities and advantages of the dual mentorship model for innovative education in vocational colleges are mainly reflected in the following aspects:

**Resource Integration and Complementary Advantages:** The dual mentorship model integrates the advantageous resources of school mentors and industry mentors. School mentors possess profound theoretical knowledge and teaching experience, while industry mentors have rich practical experience and industry resources. This combination enables vocational colleges to better achieve the integration of industry, academia, and research, providing students with a more comprehensive learning and development platform.

**Deepening School-Enterprise Cooperation:** The dual mentorship model fosters closer ties between vocational colleges and enterprises. Through school-enterprise cooperation, vocational colleges can better understand industry needs and trends, promptly adjust and optimize program offerings and teaching content, and cultivate high-quality talents that better meet market demands.

**Broadening Students' Career Development Paths:** The dual mentorship model can provide students with more practical opportunities and career development space. Under the guidance of school mentors and industry mentors, students can access more industry resources and networks, laying a solid foundation for their future career development.

**Integration of Theory and Practice:** The dual mentorship model emphasizes the close integration of theory and practice, allowing students to transform knowledge into skills through practical activities while learning theoretical knowledge. This teaching model helps cultivate students' practical skills and problem-solving abilities, enhancing their overall quality.

**Personalized Guidance and Precise Training:** The dual mentorship model can provide students with more personalized guidance and tailored training. School mentors and industry mentors can develop targeted teaching plans and training programs based on students' characteristics and interests, helping students better unleash their potential and strengths.

**Innovation Atmosphere and Capability Development:** The dual mentorship model contributes to fostering a strong innovation atmosphere, inspiring students' innovation consciousness and spirit. By participating in practical projects and research activities, students can access more innovative resources and practices, cultivating their innovative thinking and practical abilities.

Therefore, the dual mentorship model provides rare opportunities and significant advantages for innovative education in vocational colleges. However, in the actual implementation process, vocational colleges also need to pay attention to overcoming potential challenges and issues, such as coordination and cooperation between mentors, effective allocation of teaching resources, etc., to ensure that the dual mentorship model can fully leverage its advantages and inject new vitality into the innovative education of vocational colleges.

## 5. Conclusion

The research findings on the cultivation of students' innovative abilities in vocational colleges under the dual mentorship model indicate that this model plays a crucial role in fostering students' innovative abilities. Through the collaborative guidance of school mentors and industry mentors, students can receive dual enhancements in academic theory and practical skills, effectively promoting the cultivation of innovative abilities. The dual mentorship model not only provides students with a broader practical platform but also strengthens the close connection between industry, academia, and research, enabling students to better adapt to market demands and industry development trends. Additionally, the dual mentorship model helps students establish connections with the industry, enhancing their competitiveness in employment and career development prospects. In conclusion, the dual mentorship model provides strong support for cultivating students' innovative abilities in vocational colleges, helping to cultivate more high-quality talents with innovative spirit and practical skills, and making a positive contribution to societal innovation and development.

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