10.70711/rcha.v3i1.6540

Exploration of Innovation in Vocational Education School Enterprise Cooperation under the New Quality Productivity

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Abstract: With the strong promotion of new quality productivity, the economic and social structure is undergoing profound changes, which puts higher demands on vocational education. This article deeply analyzes the impact of new quality productivity on vocational education and clarifies the new expectations of the market for talent quality. In response to the problems of lagging curriculum system, weak practical teaching, and shortage of teaching staff in current vocational education, innovative strategies and implementation points for the school enterprise cooperation education model are proposed, such as reforming the curriculum system and teaching content, strengthening the practical teaching system, promoting the construction of a "dual teacher" teaching staff, and exploring the deep integration mechanism of industry university research and application. Through these measures, the aim is to improve the quality of vocational education, cultivate high-quality skilled talents that meet the needs of new productivity, and provide strong support for economic and social development.

Keywords: New Quality Productivity; Vocational education; School enterprise cooperation

Introduction

Driven by technologies such as artificial intelligence and big data, new quality productivity is reshaping the economic and social landscape, driving changes in industries and employment markets. Vocational education, as a key bridge for the deep integration of education and industry, must closely follow the pace of the times and accurately meet the practical needs of new quality productivity in its education system. In this context, it is of great significance to explore the impact of new quality productivity on vocational education, and to explore innovative strategies and practical paths for school enterprise cooperation in education. This is essential for cultivating high-quality skilled talents that meet the needs of the new era and promoting high-quality economic and social development.

1. New Quality Productivity and Talent Demand

1.1 The Concept and Development of New Quality Productivity

New quality productivity is the crystallization of modern information technology and emerging technological revolution, with significant characteristics of high efficiency, high intelligence, and cross-border integration, becoming the core driving force for promoting sustainable economic and social development. It injects strong vitality into the transformation and upgrading of traditional industries, while giving birth to emerging industries such as intelligent manufacturing and digital finance, reshaping the market landscape, promoting the transformation of production methods towards automation and intelligence, making enterprise organizational structures more flexible and flat, and building a new business ecosystem. This development trend presents unprecedented challenges and opportunities for talent cultivation, urgently requiring the education system to cultivate high-quality talents that meet future needs.

1.2 The Impact of New Quality Productivity on Vocational Education

New quality productivity promotes the transformation of vocational education majors towards modernization and cutting-edge. Keeping up with cutting-edge trends, offering majors related to emerging industries, and integrating cutting-edge technologies into the innovation of traditional majors, vocational education majors are closely aligned with industry needs, providing students with knowledge and skills that are in line with the development of the times. Practical teaching and project-based learning have become mainstream teaching methods, utilizing simulated real workplace environments and introducing practical cases from enterprises to achieve the integration of learning and practice, effectively enhancing students' problem-solving, teamwork, and innovation abilities. At the same time, digital and intelligent teaching methods (such as VR and AR technology) are widely used to promote the diversification and modernization of teaching methods, and to assist students

in learning and innovation.

New quality productivity promotes the deep integration of industry and education, and builds an integrated cooperation network of government, industry, academia, research and application. Jointly building training bases and research and development centers between schools and enterprises, deeply integrating enterprise technology and teaching resources, accurately matching industry needs, and creating a "dual teacher" teaching team. Students are exposed to and practice cutting-edge technologies during the collaboration process, accelerating their integration into the workplace.

2. The Current Situation and Challenges of Vocational Education

2.1 Existing problems in vocational education and challenges brought by new quality productivity

In the current era of rapid development of technology and industry, vocational positions require increasingly diverse and specialized talent abilities, but some vocational education issues are prominent. The curriculum system updates slowly, the content lags behind, and cannot match industry standards, weakening students' competitiveness in employment. Insufficient practical teaching resources, limited by funding and venue, prevent students from accessing cutting-edge technologies in the industry; The teaching mode emphasizes verification over innovation, neglecting the cultivation of students' innovative thinking and problem-solving abilities; School enterprise cooperation is merely a formality, making it difficult for students to integrate into the real professional environment; The imperfect evaluation system cannot comprehensively and accurately assess students' practical abilities and comprehensive qualities, which hinders the improvement of teaching quality. There is a shortage of teachers with both theoretical knowledge and practical experience in the "dual teacher" teaching team.

While new quality productivity brings opportunities to vocational education, it also poses higher challenges. The vocational education system is required to quickly optimize the professional settings, curriculum system, and teaching content, keep up with technological trends and predict industry trends, focus on cultivating students' innovative spirit, cross-border integration ability, as well as comprehensive qualities such as teamwork, problem-solving, and sustainable development, enhance students' employment competitiveness and career development potential, and meet diversified market demands.

2.2 The key role of school enterprise cooperation in educating students

The school enterprise cooperation model integrates school and enterprise resources to achieve complementary advantages and collaborative development. The school adjusts its teaching content based on the talent needs of enterprises and industry trends, ensuring educational foresight and practicality; Enterprises leverage the advantages of scientific research and education in schools to accelerate technological innovation and optimize their talent structure. In this mode, teaching content is closely integrated with professional needs. The school sets up professional courses based on the cutting-edge needs of enterprises, introduces elite teaching from enterprises, and strengthens practical teaching. Enterprises provide internship and training platforms for students, allowing them to enhance their skills, stimulate innovative thinking, strengthen their professional skills, professional ethics, practical operation abilities, and social adaptability through practice.

3. Innovative strategies for school enterprise cooperation in nurturing students

3.1 Curriculum System and Teaching Content Innovation

Establish an interdisciplinary curriculum development team, integrate multidisciplinary knowledge, design interdisciplinary courses, break down disciplinary barriers, and promote knowledge integration and innovation. Work closely with enterprises to integrate real-life work scenario cases into teaching content. Through diversified teaching methods such as case analysis and project discussions, deepen students' understanding of theoretical knowledge and enhance their practical application abilities. Establish a dynamic update mechanism for teaching content, regularly invite industry experts to hold lectures, introduce the latest technological trends and industry trends, adjust teaching content in a timely manner according to industry development, and ensure that students always master cutting-edge knowledge.

3.2 Strengthening and Expanding the Practical Teaching System

School enterprise joint construction of a training base that simulates real environments and is equipped with advanced equipment. Implementing project-based learning, allowing students to fully participate in real enterprise projects, from planning, design, implementation to evaluation, comprehensively enhancing their practical and teamwork abilities. Fully utilize modern technologies such as virtual reality (VR) and augmented reality (AR), break the limitations of time and space, develop online practical teaching resources such as virtual laboratories and online training courses, enrich the forms and content of practical teaching, and enable students to continuously improve their comprehensive literacy in diverse practical environments.

3.3 The strategy of building a "dual teacher" teaching staff

Implement the "dual teacher" teacher training and introduction plan, encourage full-time teachers to accumulate experience in enterprises, and enhance the practicality of teaching. Expand the channels for introducing teachers, and bring in experts and technical elites with

profound industry backgrounds and rich practical experience from the business community to serve as part-time teachers or guest professors, complementing the advantages of full-time teachers. Establish a comprehensive teacher training and evaluation system, encourage teachers to continue learning and innovation, regularly organize teaching seminars, sharing sessions, and other activities to build a platform for teacher communication and cooperation, and promote the steady improvement of teaching quality.

3.4 Exploration of the deep integration mechanism of industry, academia, research and application

Promoting the deep integration of industry, academia, research and application requires a multi pronged approach. Organize schools, enterprises, and research institutes to jointly apply for interdisciplinary projects, focus on key technological breakthroughs, and assist in industrial upgrading. Build a comprehensive research and development center that integrates scientific research, teaching, and industrial incubation functions, attract high-end talents, and accelerate technological breakthroughs and product iteration. Guided by market demand, establish a platform for industry university research exchange, promote precise integration of scientific research achievements with the market, accelerate their commercialization and industrialization, and inject impetus into enterprise innovation. The government plays a guiding role, builds an innovation ecosystem, implements incentive policies, stimulates cooperation and innovation enthusiasm among all parties, and strengthens the construction of the information service system.

4. Conclusion

Driven by the wave of new quality productivity, the innovation and practice of the school enterprise cooperation education model provide an effective path for vocational education reform. Deep cooperation in curriculum and teaching reform, strengthening practical teaching, improving teacher quality, exploring the integration of industry, academia, and research, and enhancing the quality of vocational education have laid a solid foundation for cultivating high-quality skilled talents with innovative spirit, cross-border integration ability, and sustainable development awareness. In the future, vocational education should continue to deepen cooperation between schools and enterprises, closely connect with market demand, continuously promote educational innovation, provide more high-quality talents for social and economic development, and provide strong talent support for industrial upgrading and economic transformation.

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Fund: Research on the Construction of Employment Internship Bases for College Students in the Perspective of Employment Education: A Case Study of Hainan Vocational University of Science and Technology(2024012067851)