

# Research on the Internal Logic and Practical Path of "Internet + Innovation and Entrepreneurship Education"

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**Abstract:** This study aims to explore the internal connection between Internet technology and innovation and entrepreneurship education, and to construct a practical path that meets the needs of the new era. The article first analyzes the promoting effect of the application of Internet technology in the field of education on innovation and entrepreneurship education, and emphasizes the importance of the "Internet + innovation and entrepreneurship education" model. Through a variety of research methods such as literature review, questionnaire survey, and interview, this article deeply analyzes the application of the characteristics of Internet technology in education, as well as its impact on educational concepts, contents, and methods. The research finds that the integration of Internet technology drives educational innovation, promotes the transformation of the educational model, and provides new development opportunities for innovation and entrepreneurship education. The article also explores the update of the concepts and practices of innovation and entrepreneurship education, as well as the transformation of the roles of learners and educators. Finally, this article constructs the practical path of "Internet + innovation and entrepreneurship education", and optimizes it through data analysis and practical feedback. The research results provide a theoretical basis and practical guidance for the reform and development of innovation and entrepreneurship education in colleges and universities.

**Keywords:** Internet technology; Innovation and entrepreneurship education; Innovation of educational model; Economic and social development

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New-type productive forces emphasize leapfrog innovation in fundamental scientific principles, manufacturing technologies, production tools, and production factors. Driven by new-type productive forces, the development of a single discipline can no longer meet the complex and ever-changing needs of modern society. Thus, interdisciplinary integration has become an inevitable trend. <sup>[1]</sup> As an important part of the humanities and social sciences, the foreign language discipline also needs to adapt to this change. By integrating with other disciplines, it can cultivate talents with interdisciplinary literacy and innovative capabilities.

## 1.The Concept of New-quality Productive Forces

The concept of new-quality productive forces has emerged in the context of the new era, profoundly reflecting the latest trends and internal requirements of the development of contemporary social productive forces. This form of productive forces takes innovation as its core driving force, and it is significantly different from traditional productive force models, demonstrating distinct characteristics of high-tech content, high-efficiency output, and high-quality standards. The root of this transformation lies in revolutionary breakthroughs in the field of technology. These breakthroughs not only cover cutting-edge fields such as information technology, biotechnology, and new material technology but also have a profound impact on the comprehensive innovation of production methods, organizational forms, and market structures. At the same time, the formation of new-quality productive forces is also inseparable from the innovative allocation of production factors. Driven by intelligent and digital technologies, production factors such as capital, technology, talent, and

data can be integrated and utilized more precisely and efficiently, forming a new layout of productive forces and growth poles. The deep transformation and upgrading of the industrial structure are another crucial foundation for the gestation and development of new-quality productive forces. It rejuvenates traditional industries and simultaneously gives birth to a number of emerging industries represented by the digital economy and the green economy, injecting strong impetus into economic growth. At the level of laborers, means of labor, objects of labor, and their optimized combinations, new-quality productive forces have achieved a qualitative leap. The improvement of the quality and skills of laborers makes human wisdom and the spirit of innovation the primary source of the progress of productive forces. The widespread application of means of labor, especially intelligent devices and automated systems, has greatly improved production efficiency and flexibility. The selection and processing methods of objects of labor have also become more environmentally friendly and efficient due to technological progress. The optimized combination of these elements not only promotes a fundamental transformation of the mode of production but also significantly improves total factor productivity, which has become the core indicator for measuring the development level of new-quality productive forces. More importantly, the development of new-quality productive forces not only marks a qualitative change in productive forces themselves but also represents a significant symbol of human society's progress towards an intelligent and green new era. It provides strong support for achieving high-quality economic development. By promoting technological innovation and industrial upgrading, it offers a crucial path for solving the problems of unbalanced and inadequate development, promoting the formation of a new pattern of all-round opening up, and building a modernization drive featuring harmonious coexistence between humanity and nature.

## **2.The Relationship between New-quality Productive Forces and Interdisciplinary Integration**

### **2.1. Construction of Interdisciplinary Research Platforms**

In the broad field of exploring and promoting the formation and development of new-quality productive forces, the construction of interdisciplinary research platforms has emerged as a significant and indispensable force. To more effectively address this complex and ever-changing issue, numerous research institutions and universities are actively committed to building interdisciplinary and cross-professional research platforms, aiming to break down traditional disciplinary barriers and facilitate the in-depth integration of knowledge, technology, and methods. These platforms not only bring together top research teams from different theoretical fields but also incorporate elite members specializing in technical research and development, forming an innovative ecosystem that encompasses a wide range of disciplinary backgrounds and features high levels of collaborative cooperation.<sup>[2]</sup> Within this system, theoretical research teams, based on their profound academic accumulations, can provide solid support for constructing the theoretical framework of new-quality productive forces. Meanwhile, technical research teams, relying on their rich practical experience and innovative capabilities, are dedicated to transforming cutting-edge scientific and technological achievements into practical productive forces, thereby driving industrial upgrading and transformation. The establishment of interdisciplinary research platforms has significantly promoted the flow and integration of elements among different disciplines, providing a fertile ground for the collision of innovative thinking and the inspiration of new ideas. Through regularly held academic exchange meetings, seminars, and joint research projects, expert members within the platform can cross disciplinary boundaries and jointly explore the key issues and future trends in the development of new-quality productive forces. This accelerates the output and application of innovative achievements and remarkably improves the overall efficiency and quality of innovation.

### **2.2. Original Innovation and Technological Breakthroughs**

In today's rapidly evolving technological landscape, interdisciplinary integration has become a crucial driving force for fostering original innovation and achieving major technological breakthroughs. This trend reflects the inherent logic of scientific exploration and technological progress, that is, when faced with increasingly complex and changeable challenges, the knowledge and methods of a single discipline often prove insufficient to cope independently. Instead, interdisciplinary cooperation can ignite new sparks of thinking and open up unprecedented innovative paths. With the rapid development

of the scientific and technological field, many major scientific issues and key technical bottlenecks have shown the dawn of revolutionary breakthroughs. These challenges not only require us to deepen and expand within the existing knowledge system but also call for in-depth integration and collaborative innovation across disciplines and fields. Against this backdrop, communication and cooperation among different disciplines are particularly urgent and important, as they provide unprecedented opportunities for solving scientific problems and overcoming technical difficulties. The reason why interdisciplinary integration can serve as a source of original innovation and major technological breakthroughs lies in its ability to break down traditional disciplinary boundaries and promote the cross-border integration of knowledge, technology, and methods. In this process, researchers from different disciplines can share resources, exchange ideas, and jointly explore uncharted territories, thus giving rise to entirely new theoretical frameworks and technical solutions. This interdisciplinary collaborative innovation model not only accelerates the pace of scientific discovery but also injects powerful impetus into technological innovation and industrial upgrading.

### **2.3.Cultivating Talents to Meet the Needs of New-quality Productive Forces**

The rapid advancement of new-quality productive forces, like a powerful gust of wind, has posed new challenges and requirements for the quality and ability structure of talents. In this era of rapid change, professionals with expertise in a single discipline can no longer meet the complex and changing needs of productive forces development. Consequently, the interdisciplinary education model has emerged as the key path for cultivating the talents required in the new era.<sup>[3]</sup> Interdisciplinary education, by breaking down the boundaries and barriers between traditional disciplines, encourages and promotes in-depth communication and cooperation among learners and researchers from different knowledge domains. This communication extends beyond theoretical discussions and also involves mutual inspiration and learning in practice, thereby giving rise to new growth points of knowledge and technological innovation. In this process, students can explore a vast and in-depth ocean of multi-disciplinary knowledge, constructing an interdisciplinary knowledge system that lays a solid foundation for their innovative thinking and practical abilities. More importantly, the interdisciplinary education nurtures compound talents who are not only proficient in a specific field but also possess the vision and ability to cross disciplinary boundaries. They can flexibly integrate knowledge and technologies from different fields, providing novel and effective solutions to complex problems. In the process of creating and enhancing new-quality productive forces, such talents play an irreplaceable role. They can apply cutting-edge technologies to actual production, driving the innovation and upgrading of productive forces and injecting a continuous stream of vitality and wisdom into scientific and technological progress and social development.

## **3.The Development Path of "Foreign Language +" Interdisciplinary Integration**

### **3.1. Constructing a Diversified Curriculum System**

Under the influence of the emerging educational concept of "Foreign Language +" interdisciplinary integration, it is particularly crucial to construct a diversified and innovative curriculum system. The establishment of this system aims to transcend the limitations of traditional foreign language teaching. It not only emphasizes the excellent mastery of foreign language skills but also endeavors to integrate foreign language learning into a broader knowledge system.<sup>[4]</sup> To this end, educational institutions need to actively explore the internal connections between foreign languages and multiple disciplines such as literature, history, economics, law, and computer science. Through ingenious design, the knowledge and methods of these disciplines should be integrated into foreign language courses to form a unique interdisciplinary curriculum system. In this curriculum system, students can not only systematically learn foreign language skills but also be exposed to and understand the basic theories and cutting-edge trends of different disciplines during the learning process. This interdisciplinary curriculum design not only broadens students' knowledge horizons but also promotes the improvement of their comprehensive literacy, enabling them to have stronger competitiveness and adaptability in future academic research and career development. In addition, to further optimize the curriculum system, educational institutions should actively encourage interdisciplinary cooperation among teachers. By forming interdisciplinary teaching teams, teachers can jointly develop teaching resources and enrich the curriculum content to ensure that the courses are

both in-depth and extensive. This cooperation model not only helps to improve teachers' teaching standards but also provides students with a richer and more diverse learning experience, meeting their diverse learning needs and personalized development goals.<sup>[5]</sup>

### **3.2. Establishing an Interdisciplinary Communication Platform**

In the process of promoting the "Foreign Language +" interdisciplinary integration, it is of great importance to establish an efficient and productive interdisciplinary communication platform. The establishment of this platform aims to break down disciplinary barriers, facilitate in-depth dialogues and cooperation among experts and scholars from different fields, and jointly explore new areas and perspectives in interdisciplinary research. The interdisciplinary communication platform can achieve its goals by organizing diverse academic activities. For example, regularly holding academic seminars and inviting experts and scholars from various disciplines such as literature, history, economics, law, and computer science to conduct in-depth discussions and exchanges on the cutting-edge issues of interdisciplinary research. These seminars not only provide foreign language scholars with opportunities to establish connections with experts in other fields but also offer them a stage to showcase their research achievements and share their academic insights. In addition, the interdisciplinary communication platform can also organize activities such as lectures and workshops to further enrich the forms and contents of academic exchanges. Lectures can invite renowned scholars to conduct in-depth interpretations of specific topics, providing students with a broader academic perspective. Workshops, on the other hand, focus more on practical operations. Through case analysis, group discussions, and other methods, they help students understand the research methods of different disciplines and cultivate their interdisciplinary thinking and problem-solving abilities. Through the establishment of these platforms and the organization of activities, the cooperation and communication between foreign language scholars and experts in other fields are deepened, and the innovative vitality of interdisciplinary research is stimulated. At the same time, students can also benefit greatly from this process. They not only broaden their knowledge horizons but also cultivate interdisciplinary thinking and comprehensive literacy imperceptibly, laying a solid foundation for their future academic research and career development.

### **3.3. Promoting Scientific Research Cooperation and Project Practice**

Scientific research cooperation and project practice play a vital role in the process of "Foreign Language +" interdisciplinary integration. They are not only important ways to combine theory with practice but also powerful driving forces for promoting disciplinary innovation and development. To deepen the connotation of "Foreign Language +" interdisciplinary integration, educational institutions should actively promote the establishment of interdisciplinary scientific research projects. These projects aim to combine foreign language research with multiple fields such as literature, history, economics, law, and computer science to form innovative and practical research topics.<sup>[4]</sup> By forming interdisciplinary research teams, foreign language scholars can work hand in hand with researchers from other fields to jointly explore uncharted territories and solve complex problems. This interdisciplinary cooperation model not only helps to broaden the research perspective but also stimulates innovative thinking and promotes the in-depth development of interdisciplinary integration. Interdisciplinary scientific research projects can also be carried out around multiple aspects such as language teaching, cultural communication, and international exchanges. They aim to improve the quality and effectiveness of foreign language education, promote cultural exchanges and dissemination, and strengthen international understanding and cooperation through interdisciplinary research methods. The implementation of these projects can not only inject new vitality into disciplinary development but also contribute wisdom and strength to social progress and prosperity. In addition, to enable students to better experience the charm of interdisciplinary cooperation and improve their practical abilities, educational institutions should actively cooperate with enterprises, governments, and other institutions to carry out social practice projects.<sup>[6]</sup> These projects can cover multiple fields such as language services, cultural exchanges, and international business, allowing students to exercise their interdisciplinary application abilities, cultivate teamwork and communication skills, and improve their comprehensive qualities in practice. By participating in these projects, students can not only apply the knowledge they have learned to practical problems but also discover and solve problems in practice, thus continuously improving their innovation and practical abilities.

### 3.4.Cultivating Interdisciplinary Talents and Faculty

Teams In the educational practice of "Foreign Language +" interdisciplinary integration, cultivating interdisciplinary talents and building a high-level faculty team are core elements, which have far-reaching significance for promoting interdisciplinary integration and improving the quality of education. Educational institutions need to deeply understand the importance of cultivating interdisciplinary talents and actively innovate the educational model to provide students with diverse interdisciplinary learning paths. By establishing interdisciplinary majors, such as interdisciplinary subjects combining foreign languages with economics, foreign languages with information technology, etc., students can systematically learn foreign language skills while deeply exploring the knowledge of other fields, forming an interdisciplinary knowledge structure and way of thinking.[7] In addition, the implementation of double-degree programs provides students with the opportunity to study in-depth in two or more disciplines and obtain degrees, promoting the comprehensive improvement of students' comprehensive qualities. In the process of cultivating interdisciplinary talents, the construction of the faculty team is equally important.[8] Educational institutions should strengthen interdisciplinary training for teachers, encourage and support teachers to participate in interdisciplinary further studies and academic exchange activities to broaden their academic horizons and improve their interdisciplinary literacy and teaching abilities. By participating in academic conferences, seminars, workshops, etc., teachers can keep abreast of the cutting-edge trends of disciplines, master the methods and tools of interdisciplinary research, and thus better guide students in interdisciplinary learning and research. Educational institutions should also actively introduce and cultivate excellent teachers with interdisciplinary backgrounds to provide a solid talent foundation for "Foreign Language +" interdisciplinary integration.[9] These teachers not only have a solid foundation in foreign languages but also possess professional knowledge and research experience in other fields. They can skillfully integrate the knowledge and methods of different disciplines in teaching, stimulating students' learning interests and innovative abilities.

### 4. Conclusion

At present, with the vigorous development of new-quality productive forces, in terms of academic disciplines and majors, the research on professional English teaching covers many fields such as finance and accounting, management, logistics, naval architecture engineering, mechanical engineering, tourism, nursing, mathematics, international trade, environmental management, history, etc.[10] The exploration of "Foreign Language +" interdisciplinary integration is of great significance for promoting educational innovation and facilitating the integration of science and technology. By constructing a diversified curriculum system, establishing an interdisciplinary communication platform, promoting scientific research cooperation and project practice, and cultivating interdisciplinary talents and faculty teams, we can effectively enhance the comprehensive competitiveness of foreign language education and lay a solid foundation for cultivating compound talents who meet the needs of new-quality productive forces. In the future, with the continuous deepening of interdisciplinary integration, the "Foreign Language +" field will embrace a broader development prospect, injecting new vitality into scientific and technological progress and social development.

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