

Training Mode of Intelligent Financial Management Talents in University Kindergartens under the Background of Open Source Information Technology

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Abstract: Amidst the ascendancy of open source information technology and the swift evolution of intelligent financial management, universities and kindergartens confront novel opportunities and challenges in nurturing intelligent financial management talents. Through a systematic examination of domestic and international research trends, coupled with the unique attributes of open source information technology and the requirements of intelligent financial management, we delve into the innovative avenues for the training paradigm of intelligent financial management talents in universities and kindergartens. Universities and kindergartens. It is found that there are some problems in the training of intelligent financial management talents in the current universities and kindergartens, such as incomplete curriculum setting, lack of practical teaching resources and imperfect evaluation system. Addressing these issues, this research proposes strategies to integrate open source information technology throughout the entire process of intelligent financial management talent development. These include incorporating open source software to augment teaching resources, leveraging open source platforms to enhance practical teaching outcomes, and fostering a deep integration of curricula and technologies. Furthermore, the research advocates for the establishment of an intelligent financial management talent training model that is tailored to the backdrop of open source information technology, encompassing multifaceted enhancements such as curriculum system reform, practical teaching innovation, and the optimization of talent training quality. This study not only provides theoretical

support and practical guidance for the cultivation of intelligent financial management talents in universities and kindergartens, but also provides a new idea for promoting the deep integration of education informatization and financial management education.

Keywords: Open Source Information Technology; University Kindergarten; Intelligent Financial Management; Talent Training Mode; Education Informatization

1. Introduction

1.1 Research Background and Significance

In the context of the rapid development of information technology, open source information technology, with its unique openness, sharing and flexibility, is gradually infiltrating into all walks of life, and has had a profound impact on the field of education. Open source information technology not only reduces the cost of software development, but also promotes knowledge sharing and technological innovation around the world. This trend has brought new opportunities and posed new challenges to college education.

As an emerging branch of the field of financial management, intelligent financial management is the product of the combination of information technology and financial management practice. With the help of big data, cloud computing, artificial intelligence and other advanced technologies, it realizes the intelligence, automation and refinement of financial management. With the continuous development of intelligent financial management technology, the social demand for talents with relevant professional knowledge and skills is also increasing.

As an important base for cultivating future

social talents, universities and kindergartens shoulder the important responsibility of delivering high-quality talents to the society. Under the background of the rapid development of open source information technology and intelligent financial management, universities and kindergartens need to keep pace with The Times and innovate the talent training mode, so as to meet the needs of the society for intelligent financial management talents. This is not only related to the long-term development of universities and kindergartens, but they are also of great significance to the economic development and technological progress of the entire society.

The purpose of this paper is to explore how to build an efficient and scientific intelligent financial management talent training mode in universities and kindergartens under the background of open source information technology. Through the in-depth analysis of the characteristics and advantages of open source information technology, as well as the development trend of intelligent financial management and talent demand, this paper will put forward a set of feasible training mode reform plan. This research will not only help to enrich and improve the theoretical system of intelligent financial management talent training, but also provide useful reference for the practical operation of universities and kindergartens.

This paper will focus on the following aspects: firstly, analyze the impact of open source information technology on the education industry and its application status in universities and kindergartens; secondly, study the development trend of intelligent financial management and its specific demand for talents; finally, combined with the analysis of the first two aspects, construct the intelligent financial management talent training mode that meets the requirements of The Times, and propose the corresponding implementation strategies and safeguard measures. Through these studies, we expect to provide useful enlightenment and guidance for universities and kindergartens in the training of intelligent financial management talents, and then promote the scientific and technological progress and economic development of the whole society.

This paper has great theoretical and important

significance and practical value. It will not only help us to have a deeper understanding of the development trend of open source information technology and intelligent financial management, but also provide strong support and help for universities and kindergartens in the reform of talent training mode. Through the development of this paper, we look forward to contribute to the cultivation of more high-quality and professional intelligent financial management talents.

1.2 Research Status at Home and Abroad

1.2.1 Status of foreign studies

In the training of intelligent financial management personnel, foreign research started relatively early, after a long time of development and practice, has formed a more systematic and mature training system. This system not only pays attention to the transmission of theoretical knowledge, but also emphasizes the cultivation of practical operation ability, as well as the acceptance and application of new technologies and new ideas. In recent years, with the rapid rise and development of open source information technology, its characteristics of openness, sharing and flexibility have attracted wide attention of foreign scholars. They began to actively explore how to integrate this technology into the field of education, particularly in the context of training intelligent financial management personnel. For example, through open source information technology to build a simulated financial management environment, so that students can learn, master and apply the knowledge and skills of intelligent financial management in practice.

Foreign educational institutions and enterprises have made beneficial attempts in this respect, and have achieved certain results. Through the practical application of open source information technology, these institutions and enterprises have not only enhanced teaching efficiency but also expanded the practical platform available to students. These practices not only enhance the students practical operation ability, but also cultivate their sense of innovation and teamwork ability, laying a solid foundation for their future career development.

1.2.2 Status of domestic research

Compared with foreign countries, the domestic research on the training of intelligent financial management personnel started late, but obvious progress has been made in recent years. With the increasing attention to education informatization, and the increasing demand for intelligence and informatization in the field of financial management, more and more colleges and universities begin to realize the importance of cultivating intelligent financial management talents, and actively explore and innovate the training mode.

In terms of applying open source information technology, domestic research and practice remain inadequate. Although some universities have begun to try to introduce open source information technology into the teaching process, they are still in the initial stage on the whole, lacking in-depth and systematic research and practice. This inadequacy may stem from the current development level of domestic open source information technology, the allocation of educational resources, and disparities in educational ideologies. Therefore, domestic universities still need to further strengthen the training of intelligent financial management talents, actively explore and practice, in order to gradually form an intelligent financial management talent training mode with Chinese characteristics.

Domestic scholars and educators are continuously striving to actively promote the integration of open source information technology into the training of intelligent financial management talents through academic research and teaching practices. Their aim is to contribute to the cultivation of intelligent financial management talents in China by incorporating foreign advanced experiences and aligning them with China's unique circumstances. This trend indicates that China is expected to achieve greater breakthroughs and development in this field in the future.

1.3 Research Methods and Innovation Points

In terms of research methods, this paper comprehensively adopts various means such as literature review, case analysis and questionnaire survey, in order to comprehensively and deeply explore the cultivation mode of intelligent financial management talents in universities and

kindergartens within the context of open source information technology.

Through the literature review, we systematically reviewed the research status and development trend of the training of intelligent financial management talents at home and abroad, and paid special attention to the application of open source information technology in the field of education and its integration with financial management. This approach not only provides us with theoretical support, but also reveals the shortcomings of existing research and possible future research directions^[1-3].

Case analysis is an important means for us to deeply understand the specific practice situation. We selected a number of representative universities and kindergartens as the case study objects, and collected a large amount of first-hand information through the field investigation and in-depth interviews of their intelligent financial management talent training mode. These data not only enrich our research content, but also provide a practical basis for the subsequent theoretical construction and model innovation.

We also extensively collected the views and suggestions of college kindergarten teachers, students and parents on the mode of intelligent financial management talent training through the questionnaire survey. These feedback not only reflect the expectations and needs of all sectors of society, but also provide a useful reference for us to optimize the cultivation mode.

In terms of innovation, the biggest feature of this paper is the close combination of open source information technology and the training of intelligent financial management talents, and puts forward a new reform plan of the training mode. We believe that the open, shared and flexible characteristics of open source information technology provide unprecedented opportunities for the cultivation of intelligent financial management talents in universities and kindergartens. By making full use of open source information technology resources, we can build a more efficient and scientific training mode to meet the needs of the society for intelligent financial management talents.

Our innovation is mainly reflected in the following aspects: first, an intelligent

financial management talent training curriculum system based on open source information technology, which integrates knowledge and skills in information technology, financial management and early childhood education; second, a project-oriented practical teaching mode to enable students to improve their practical ability and innovative thinking by participating in real financial management projects; third, a diversified evaluation system to comprehensively and objectively evaluate students comprehensive quality and professional skills^[3,4].

The comprehensive use of various research methods and innovative training mode reform program aims to provide useful reference and reference for the research and practice of intelligent financial management talents in universities and kindergartens under the background of open source information technology.

2. Theoretical Framework and Related Concepts

2.1 Overview of Open Source Information Technology

Open source information technology, as its name implies, revolves around the core concept of 'open source'. This concept refers to the openness of the source code, in which anyone is free to view, use, modify, and redistribute the source code of the relevant software. The advent of this technology disrupts the closed nature of traditional software development, fostering greater transparency and accessibility^[5].

The characteristics of open source information technology are distinct, mainly including openness, sharing and flexibility. Openness signifies a reduction in the technical barrier, enabling anyone with an interest and passion for the technology to contribute to the development and enhancement of the software. Sharing facilitates the dissemination of knowledge and technology, thereby enabling a wider range of individuals and organizations to reap its benefits. Flexibility is evident in the ability to customize and optimize open source software based on user requirements, thereby better addressing individual needs.

The application of open-source information technology has revolutionized the landscape

of education. The traditional allocation of educational resources has been challenged, and open source technology has enabled the sharing of teaching resources. Teaching materials, courseware, and teaching software can all be shared and disseminated via the open source platform. This not only enriches teaching resources but also fosters educational equity. At the same time, the open source information technology also provides a strong support for the innovation of teaching methods. Teachers can utilize open source software and tools to implement personalized teaching strategies, thereby enhancing teaching effectiveness. Students can engage in independent and collaborative learning through the open source platform, fostering innovation capabilities and teamwork spirit^[6].

Open-source information technology has also promoted the development of educational informatization. Through the open source platform, schools can more easily access and manage teaching resources and improve teaching efficiency. Concurrently, the flexibility and customizability of open source technology empower schools to tailor-make information systems that cater to their specific needs, thereby enhancing their teaching and management capabilities.

Open source information technology has shown great application potential in the field of education with its open, shared and flexible characteristics. It not only enriches teaching resources, innovates teaching methods, but also promotes the development of education informatization. With the continuous progress of technology and the expansion of application scenarios, open source information technology will play a more important role in the future education.

2.2 Theoretical Basis of Intelligent Financial Management

Intelligent financial management, as a result of the integration of modern information technology and financial management, possesses a profound and multifaceted theoretical foundation, encompassing various modern information technology theories, including data mining, machine learning, and artificial intelligence. These technologies provide robust support for intelligent financial

management, enabling financial management activities to attain a heightened level of intelligent processing and analysis.

Data mining is one of the important theoretical bases of intelligent financial management. Data mining technology can extract useful information and knowledge from massive financial data, providing scientific basis for financial management decisions. Data mining facilitates in-depth analysis of financial data, enabling the discovery of correlations and patterns within the data, thereby predicting future financial trends and risks, and providing robust support for strategic planning and risk control within enterprises.

Machine learning also holds a pivotal position in intelligent financial management. By empowering computer systems with self-learning and improvement capabilities, machine learning technology continually enhances the intelligence level of financial management. Through machine learning algorithms, financial data can be automatically processed and analyzed to reduce manual intervention and error, and improve the efficiency and accuracy of financial management. At the same time, machine learning can also be applied to financial prediction, risk assessment and other fields, to provide more accurate and reliable support for the financial decisions of enterprises.

Artificial intelligence serves as the cornerstone theoretical foundation of intelligent financial management. This technology integrates knowledge from computer science, mathematics, cybernetics, and other disciplines, with the aim of enabling computers to mimic human thought processes and behaviors. In the realm of intelligent financial management, artificial intelligence technology finds extensive application, encompassing automated accounting processing, intelligent financial analysis, financial robots, and numerous other areas. Through artificial intelligence technology, the comprehensive intelligence of financial management can be realized, and the ability of enterprises to process financial data and respond to financial risks can be improved^[7]. The theoretical basis of intelligent financial management includes data mining, machine learning, artificial intelligence and other modern information technology theories.

These theories provide a solid support and a broad space for the development of intelligent financial management. With the continuous progress of technology and the continuous expansion of application scenarios, intelligent financial management will play a more important role in the future, providing a strong guarantee for the sustainable development of enterprises.

2.3 Theoretical Basis of Talent Training

The modern educational concept possesses a profound understanding and unique perspectives regarding talent training. These ideas emphasize student-centered, not only on students knowledge, but also on cultivating their innovative spirit and practical ability. In todays background of rapid knowledge update and intensified social change, this educational concept is particularly important.

In the process of talent training, the combination of theory and practice is regarded as the core link of education. Students not only need to master solid theoretical knowledge, but also need to apply these knowledge to practice, to deepen the understanding of the theory through practice, and also to exercise their own practical operation ability. This way of education helps students to form a comprehensive knowledge structure and skill system, and lay a solid foundation for their future career development. In addition to the combination of theory and practice, modern educational concepts also emphasize the cultivation of students comprehensive quality and interdisciplinary ability. In a diversified social environment, a single professional skill can not be used to meet the complex and changeable work needs. Therefore, cultivating students comprehensive quality and interdisciplinary ability has become another important goal of education. This requires students not only to study deeply in their professional field, but also to broaden their horizons, to understand and master the knowledge and skills in other related fields.

In the construction of intelligent financial management talent training mode, we should fully consider the requirements of the above modern educational concepts. We can comprehensively improve students comprehensive quality and interdisciplinary ability by designing a diversified curriculum

system, carrying out rich practical activities, and strengthening the interdisciplinary cooperation and communication. In this way, it can not only meet the social demand for intelligent financial management talents, but also promote the sustainable development and innovation of the whole industry.

We should also pay attention to the personalized development of students. Every student has his own unique interests and talents, and education should respect and guide these personalities, so that students can fully develop in the field they are good at. Therefore, when constructing the talent training mode, we need to provide diversified educational resources and choices to meet the personalized needs of different students.

Modern educational concept also emphasizes the lifelong nature of education. In today's rapid knowledge update, students need to have the ability to keep learning and update themselves. Therefore, our education model should also be transformed from the traditional "one-off" education to the "sustainable" education, to provide continuous learning support and resource renewal for students^[8].

The modern educational concept provides valuable guidance and inspiration for the construction of intelligent financial management talent training mode. Through the combination of theory and practice, the cultivation of comprehensive quality and interdisciplinary ability, the attention of personalized development and the implementation of lifelong education, we can cultivate intelligent financial management talents with both professional knowledge and skills, as well as innovative spirit and practical ability, to meet the needs of the society and promote the development of the industry.

3. Analysis of the Current Situation of Intelligent Financial Management Personnel Training in Universities and Educational Institutions

3.1 Analysis of the Existing Curriculum Setting

When discussing the current situation of intelligent financial management talents in universities and kindergartens, we have to pay attention to the situation of the existing curriculum. Curriculum setting is the

cornerstone of talent training, and its scientificity and practicability are directly related to the quality of talent training. However, through a detailed combing of the current intelligent financial management related courses in universities and kindergartens, we have found some urgent problems to be solved.

The curriculum lacks comprehensiveness. In today's increasingly popularity of intelligence and information, intelligent financial management has penetrated into various industries and fields, which requires that relevant courses can cover a wider range of content. Currently, universities and educational institutions tend to emphasize traditional financial management knowledge in their intelligent financial management courses, neglecting the integration of intelligent technology, data analysis, and other cutting-edge content. The one-sidedness of this curriculum will undoubtedly limit students' comprehensive understanding and understanding of the field of intelligent financial management.

The systematization of the curriculum needs to be strengthened. Intelligent financial management is a complex field that integrates multidisciplinary knowledge. It not only requires students to master a solid foundation of financial management, but also needs to have certain interdisciplinary knowledge of computer science, data science and other disciplines. Therefore, the relevant courses should form an organic whole, and each course should be connected and support each other. However, at present, universities and kindergartens often lack such systematic consideration in the curriculum setting, and lack the necessary logical connection between various courses, which makes it difficult for students to form a complete knowledge system.

Moreover, there is a disconnect between the course content and the practical application. The charm of intelligent financial management lies in its strong practical application ability, which can help students solve complex problems in real life. Currently, universities and kindergartens frequently prioritize the teaching of theoretical knowledge in curriculum selection, neglecting the cultivation of students' practical abilities. This curriculum tendency of "emphasizing

theory over practice" will not only lead to students lack of interest and motivation in the learning process, but also make it difficult for them to adapt to the actual needs of the society for intelligent financial management talents in their future career.

Currently, numerous deficiencies persist in the design of intelligent financial management-related courses in universities and kindergartens. In order to improve the quality of talent training and meet the social demand for intelligent financial management talents, we must carry out profound reflection and reform on the existing curriculum. Specifically, we ought to establish a more scientific and comprehensive curriculum system that encompasses comprehensiveness, systematicity, and practicality. At the same time, we should also pay attention to the organic combination of theory and practice, strengthen the cultivation of students practical ability, so that they can really do what they have learned in the process of learning.

3.2 Current Situation of Practical Teaching Links

Practical teaching plays a pivotal role in the training of intelligent financial management talents. However, it is not difficult to find many problems in the current practical teaching links in colleges and kindergartens.

Practical teaching resources are conspicuously limited, as universities and kindergartens face constraints in funds, equipment, and faculty, making it challenging to provide adequate practical teaching resources. As a result, students lack the necessary hardware and software support in the practice process, and they cannot fully experience and master the practical operation skills of intelligent financial management.

Practical teaching methods are often monotonous and unengaging, with many universities and kindergartens adhering to traditional methods like simulation experiments and case analyses, lacking innovation and diversity. While this approach may facilitate students' understanding of theoretical knowledge to some extent, it struggles to ignite their interest in learning and foster their innovative abilities. At the same time, this single teaching method can not fully cultivate students practical operation ability and problem solving ability.

Furthermore, a notable disconnect exists between practical and theoretical teaching. Theoretical teaching frequently overemphasizes the imparting of knowledge points, neglecting the integration with practical teaching. As a result, it is difficult for students to combine theoretical knowledge with practical operation in practice, and they cannot form a systematic knowledge and skill system. This disconnection not only affects the learning. Not only does it affect students, but it also hinders the effectiveness of practical teaching.

In view of the above problems, we need to make improvement from many aspects. On the one hand, universities and kindergartens should increase investment to enrich practical teaching resources, including the introduction of advanced financial management software, the construction of practice bases, etc., to provide a better practical environment for students. On the other hand, Teachers must continually innovate practical teaching methodologies, incorporating diverse approaches such as project-based learning and team collaboration, to foster students' interest in learning and enhance their innovative capabilities. At the same time, the integration of theoretical teaching and practical teaching should also be strengthened to ensure that students can flexibly use the knowledge they have learned in practice and form solid professional skills.

Universities and kindergartens should actively pursue collaborations with enterprises, implementing school-enterprise partnership initiatives, and offering students increased opportunities for practical experience and employment avenues. Through close cooperation with enterprises, students can have a deeper understanding of the actual operation process of intelligent financial management, and improve their professional quality and comprehensive ability.

Improving the practical teaching link is the key to improve the quality of intelligent financial management personnel training. We need to comprehensively improve the effect of practical teaching from the input of resources, teaching methods innovation and the combination of theory and practice, so as to cultivate more excellent intelligent financial management talents for the society.

3.3 Evaluation of Talent Training Effectiveness

In the process of talent training, effectiveness evaluation is an indispensable link, which can not only help educational institutions to understand the actual effect of education and teaching, but also provide a strong basis for the reform of education and teaching. However, there are some urgent improvements in the evaluation of the effectiveness of intelligent financial management talents.

One of the primary issues lies in the scarcity of evaluation metrics. In the evaluation of the effectiveness of intelligent financial management talents, we not only need to pay attention to the students knowledge mastery, but also investigate the students practical ability, innovation ability, teamwork ability and other qualities. However, the current evaluation system tends to overly emphasize students' test scores, neglecting the assessment of their other abilities, thereby constituting a one-dimensional evaluation approach.

The scientificity of the evaluation methods also needs to be improved. At present, many universities and kindergartens still use the traditional written test, interview and other ways for evaluation. While these methods are straightforward and convenient to administer, they struggle to comprehensively capture the actual...l ability of students. To evaluate students' intelligent financial management abilities more scientifically, we can incorporate a wider range of evaluation methods, including case analysis and project practice, to gain a more precise understanding of their actual proficiency.

The timeliness of the feedback of the evaluation results is also a part that needs to be improved in the evaluation system. In numerous instances, students fail to receive prompt feedback upon completing evaluations, hindering their ability to promptly identify weaknesses and make necessary corrections and improvements. In order to improve the learning effect of students, we should establish a fast and effective feedback mechanism to ensure that students can understand their evaluation results in the first time, and carry out targeted learning and improvement according to the feedback.

In view of the above problems, we can make improvement from many aspects. First of all, we can improve the evaluation indicators,

including students knowledge, ability, quality and other factors into the evaluation system, to ensure the comprehensiveness of the evaluation. Secondly, we can introduce more diversified evaluation methods and combine the characteristics of intelligent financial management to design more targeted evaluation methods. Lastly, we must establish a prompt and efficient feedback mechanism to guarantee that students can swiftly comprehend their evaluation outcomes and make improvements based on the feedback.

Through these improvement measures, we can have a more comprehensive understanding of students practical ability, and more scientifically evaluate the training effect of intelligent financial management talents, so as to provide a strong basis for optimizing the training mode^[9]. At the same time, it also helps to improve students learning enthusiasm and promote their all-round development. In the future process of education and teaching, we should constantly improve the evaluation system to ensure the accuracy and effectiveness of the evaluation results, and provide a strong guarantee for the training of more excellent intelligent financial management talents.

4. The Application of Open Source Information Technology in the Training of Intelligent Financial Management Talents

4.1 Application of Open-Source Software in Financial Management Teaching

In the teaching of financial management, the application of open source software is gradually becoming a trend. Not only do these software provide powerful functions, but the openness of their source code means that teachers can be customized according to the actual needs of students, thus creating a practical environment more consistent with the teaching needs.

For example, by introducing open source financial software, students can conduct accounting processing, statement analysis and other operations in a simulated real environment. This practice can not only help students to better understand the theoretical knowledge, but also improve their practical operation ability. In addition, the application of open source data analysis software also enables students to in-depth mine and analyze

financial data, so as to cultivate their data thinking and analysis ability.

In addition to providing a practical environment, open-source software also provides the possibility of innovation in teaching resources. Teachers can use the flexibility of open source software and combine the course content to create a rich variety of teaching cases and experimental projects. These teaching resources can not only stimulate students interest in learning, but also help them to better understand and master the core knowledge of financial management.

The application of open-source software in the teaching of financial management also faces some challenges. For example, teachers need to have some programming and technical skills to fully utilize open source software for customized teaching, and the updating and maintenance of open source software also requires some time and effort. Therefore, when promoting the application of open source software in financial management teaching, these factors need to be fully considered and provide corresponding support and training.

In summary, the application of open source software in financial management teaching introduces novel ideas and methodologies for nurturing intelligent financial management talents in universities and educational institutions. By making full use of the advantages of open source software, we can create a more real and rich practical environment for students, and provide more innovative teaching resources, so as to cultivate more intelligent financial management talents with practical operation ability and innovative spirit.

4.2 Impact of Open Source Platform on Practical Teaching

Open source platform has a profound and multifaceted influence on practical teaching. Open source platforms represented by GitHub and GitLab not only provide rich resources and convenient tools for practical teaching in the field of intelligent financial management, but also bring innovations in multiple levels such as teaching mode, learning mode and evaluation system.

In terms of teaching resources, the open source platform gathers high-quality projects and resources from around the world, providing rich teaching materials for teachers. By

introducing these practical projects, teachers can explain the theoretical knowledge more vividly, so that students can deepen their understanding of intelligent financial management in practical operation. At the same time, the open source platform is updated quickly, which can ensure the timeliness and frontier of the teaching content, and help students to master the latest technology and knowledge in time.

At the level of learning style, the open source platform provides an environment for students to learn independent and collaborative learning. Students can choose suitable learning paths and project. Students can access the platform and engage in learning activities based on their individual interests and requirements. This personalized learning approach fosters students' interest and motivation in learning, while nurturing their independent learning capabilities and fostering an innovative mindset. In addition, the collaboration function of the open source platform enables students to complete projects with students from different backgrounds to develop their teamwork and cross-cultural communication skills.

In terms of the evaluation system, the open source platform provides diversified evaluation methods for practical teaching. Traditional practical teaching evaluations tend to emphasize students' operational skills and practical outcomes, neglecting the assessment of their comprehensive qualities, including innovation capabilities and collaborative spirit. The open source platform offers a comprehensive and impartial evaluation foundation for educators by capturing students' learning trajectories, contribution levels, project engagement, and other multifaceted data. This diversified evaluation method helps to more accurately reflect the real level and development potential of students, and provides strong support for their comprehensive development.

In general, the role of open source platform in promoting intelligent financial management practice teaching cannot be ignored. In the future, with the continuous development and popularization of open source technology, we have every reason to believe that the open source platform will play a more important role in the field of intelligent financial management talent training.

4.3 Open Source Information Technology and Course Integration Strategy

The profound integration of open source information technology and curricula is a pivotal aspect in enhancing the quality and effectiveness of teaching in the cultivation of intelligent financial management talents. This integration can not only enrich students learning experience, but also improve their practical ability and innovative thinking.

Integrating open-source software into the course teaching content is an important step. Open source software, being open, transparent, and customizable, enables students to gain a profound understanding of the software's internal logic and operational mechanisms, thereby facilitating a deeper comprehension of financial management business processes and operational techniques. For instance, by incorporating open source financial management software into the curriculum, educators can facilitate hands-on experiences for students within the classroom, exposing them to authentic financial management scenarios and thereby enhancing their comprehension and mastery of theoretical concepts.

It is also an effective strategy to use the open source platform to carry out practical teaching activities. Open source platforms such as GitHub and GitLab provide rich projects and resources, on which students can conduct practical activities such as team collaboration, code writing and project management. By participating in the real project development process, students can develop their practical skills, problem-solving skills and teamwork skills. At the same time, teachers can also track students learning progress and results on the platform, and provide timely feedback and guidance.

Encouraging student participation in the development of open source communities serves as a pivotal means of integrating open source information technology into the curriculum. The open source community is a place of great energy and creativity, gathering a lot of developers and enthusiasts. By participating in the construction and contribution of the open source community, students can be exposed to the most cutting-edge technologies and ideas, and expand their horizons and knowledge. At the same time, it

can also cultivate students sense of social responsibility and dedication, and improve their comprehensive quality.

In the process of implementing these integration strategies, teachers need to pay attention to the following points: first, select appropriate open source software and platform to ensure that they can meet the teaching needs; second, make reasonable teaching plans and arrangements to ensure that students have enough time to study and practice; third, provide necessary guidance and support to help students solve the problems and difficulties encountered in the learning process.

Overall, the effective integration of open source information technology with financial management courses can provide students with a more open, flexible and challenging learning environment. Through the implementation of this integration strategy, students can not only better master the core skills and methods of intelligent financial management, but also cultivate their own innovative spirit and practical ability, laying a solid foundation for their future career development.

5. Research on Innovation of Intelligent Financial Management Talents

5.1 Direction of Curriculum System Reform

In the innovative research of the training mode of intelligent financial management talents, the reform of the curriculum system is particularly important. In view of the shortcomings of the existing curriculum system, we need to carry out in-depth reform from multiple dimensions to ensure that the trained talents can keep up with the pace of The Times and meet the needs of the society for intelligent financial management talents.

The improvement of the curriculum system structure is the cornerstone of the reform. We should break the shackles of the traditional curriculum, reorganize the curriculum system, and build up a more scientific and systematic curriculum framework. This not only includes the setting of basic courses, but also should pay attention to the depth and breadth of professional courses. By adding diversified teaching modules such as elective courses and practical courses, we will provide a more

personalized learning path for students.

The update of the curriculum content is the key to the reform. With the rapid development of the field of intelligent financial management, new theories and practical cases emerge in endlessly. It is imperative to promptly incorporate this cutting-edge knowledge into course instruction, ensuring a seamless alignment between students' knowledge and the advancements within the industry. Concurrently, fostering school-enterprise collaborations and inviting industry experts to instruct will furnish students with a more pragmatic learning atmosphere.

Strengthening the cohesion and integration of courses is also an important direction of the reform. Intelligent financial management involves many disciplines, such as computer science, data analysis, economics and so on. Efforts should be made to dismantle disciplinary silos, foster cross-disciplinary integration among courses, and create a cohesive educational framework. Comprehensive course projects and interdisciplinary practical activities should be designed to nurture students' holistic literacy and interdisciplinary competencies.

In the process of curriculum system reform, we also need to pay attention to the innovation of teaching methods and the integration of teaching resources. The adoption of case-based, project-based, and other interactive teaching methodologies can stimulate students' interest in learning and foster their initiative. Concurrently, we will actively integrate internal and external teaching resources, establish a shared and open educational platform, and offer students a wider array of learning options.

Curriculum system reform is the core link of the innovation research of intelligent financial management talent training mode. By improving the course system structure, updating the course content and strengthening the connection and integration between the courses, we can build a more efficient and scientific intelligent financial management talent training mode, and cultivate more excellent intelligent financial management talents for the society.

5.2 Practical Teaching Innovation Measures

Practical teaching innovation is of great importance to improve the training quality of

intelligent financial management talents. In the traditional education mode, theoretical teaching often occupies a dominant position, while practical teaching is relatively neglected. Nevertheless, in the highly practical realm of intelligent financial management, the significance of practical teaching is undeniable.

In order to promote the innovation of practical teaching, we can start from the following aspects:

The key is to establish a diversified practical teaching system. This system should cover multiple levels, including experiment, practical training, practice, etc. Through the experiment, students can simulate the real financial management environment and process and analyze the data; through practical training, students can conduct specific financial management operations under the guidance of teachers, such as preparing financial statements and conducting financial analysis. Through the internship, students can go deep into the enterprise to understand the actual operation of financial management, so as to deepen the understanding and application of theoretical knowledge.

It is also essential to strengthen the construction and sharing of practical teaching resources. Universities and kindergartens should actively invest funds to build advanced financial management laboratories and training bases to provide a good practical environment for students. At the same time, the actual data and cases can be shared through school-enterprise cooperation and other ways, so as to make practical teaching more close to the reality.

Moreover, innovating practical teaching methods and methods is also an important way to improve the effect of practical teaching. Traditional practical teaching is often teacher-centered, and students passively accept knowledge and skills. However, under the modern educational concept, we should pay more attention to the initiative and creativity of students. Therefore, new teaching methods such as project-based learning and flipped classroom can be adopted to stimulate students interest and motivation in learning, and to cultivate their independent learning ability and innovative spirit.

It is also crucial to strengthen the organic

combination of practical teaching and theoretical teaching. Theoretical teaching and practical teaching are not isolated, but should promote and complement each other. In theoretical teaching, teachers can introduce practical cases and problems to guide students to think and discuss; in practical teaching, teachers can guide students to use theoretical knowledge to solve practical problems. Through this organic combination, students can better understand and master the core knowledge and skills of intelligent financial management.

Innovation in practical teaching serves as a pivotal aspect in enhancing the quality of personnel training in intelligent financial management. Through the establishment of diversified practice teaching system, strengthen the construction of practice teaching resources and sharing, innovative teaching methods and methods and strengthen the combination of practice teaching and theory teaching the implementation of the measures, we can effectively improve the students practical ability and innovation ability, to cultivate high-quality intelligent financial management talents to lay a solid foundation.

5.3 Ways to Improve the Quality of Talent Training

To improve the quality of intelligent financial management personnel training, we must start from multiple dimensions and implement a comprehensive and systematic strategy. Several key pathways are explored in detail below.

In the aspect of teaching staff construction, colleges and universities should pay attention to the improvement of teachers professional quality and teaching ability. This can be achieved by organizing regular teacher training, inviting industry experts for academic exchanges, and encouraging. Encouraging teachers to engage in scientific research projects. At the same time, the establishment of an effective incentive mechanism to stimulate teachers' work enthusiasm and innovative spirit is also crucial for enhancing the overall competence of the teaching staff.

It is also crucial to improve the talent training quality evaluation system. To ensure the accuracy and efficacy of evaluation outcomes, institutions of higher learning must devise scientific evaluation criteria and

methodologies, and regularly adjust and refine them in accordance with prevailing circumstances. In addition, the introduction of third-party evaluation agencies to evaluate the quality of talent training from a more objective and fair perspective is also an important means to improve the credibility of the evaluation results.

Strengthening school-enterprise cooperation and the combination of industry, university and research is of great significance to improving students practical ability and broadening employment channels^[10]. Colleges and universities should actively establish cooperative relations with enterprises, and jointly carry out practical teaching projects, scientific research cooperation and talent training programs. This endeavor will not only facilitate students' comprehension of industry demands and job competencies, but also establish a robust foundation for their future careers.

Paying attention to cultivating students comprehensive quality and interdisciplinary ability is also the key to improving the quality of talent training. Given the relentless progression of society, a solitary professional skill is no longer sufficient to address the increasingly intricate and dynamic work requirements. Therefore, colleges and universities should make innovations in curriculum setting and teaching methods, encourage students to take interdisciplinary elective courses, participate in practical activities, and expand their international vision, so as to cultivate new talents with comprehensive quality and innovative ability.

To improve the quality of intelligent financial management personnel training requires colleges and universities to make continuous efforts in the construction of teachers, the evaluation of personnel training quality, school-enterprise cooperation and students comprehensive quality training. Only in this way, can we cultivate more excellent intelligent financial management talents who meet the needs of the society, and contribute to the development of the industry and the progress of the society.

6. Conclusion and Outlook

6.1 Study Conclusion

Under the background of open source

information technology, this study comprehensively and deeply discusses the training mode of intelligent financial management talents in colleges and kindergartens. With the help of diversified research methods such as literature review, case analysis and questionnaire survey, we carefully analyzed the challenges and deficiencies in the training of intelligent financial management talents in universities and kindergartens.

We find that although universities and kindergartens have paid some attention to the cultivation of intelligent financial management talents, there are still many problems in practical operation. In terms of curriculum setting, the existing curriculum system is not perfect, and the content is not frontier and practical, which is difficult to effectively support the training needs of intelligent financial management talents. The practical teaching component is also inadequate, with limited resources, a singular approach, and a notable lack of integration with theoretical teaching. In addition, the current talent training effectiveness evaluation system also has considerable defects, evaluation indicators are not comprehensive, methods are not scientific, results feedback is not timely and other problems are common.

In view of the above problems, we put forward a series of feasible reform measures. In terms of the curriculum system, we suggest that universities and kindergartens should further improve the curriculum structure, update the curriculum content, and strengthen the internal connection between the curriculum, so as to form a systematic, complete and forward-looking curriculum system. In terms of practical teaching, we call on universities and kindergartens to increase investment, enrich practical teaching resources, innovate practical teaching methods, and strive to realize the organic integration of practical teaching and theoretical teaching. Concurrently, to more precisely assess the quality of talent training, we recommend that universities and kindergartens establish a comprehensive, scientific, and real-time feedback mechanism for their talent training effectiveness evaluation system.

This study not only identifies the deficiencies in the current training of intelligent financial management talents in universities and

kindergartens, but also offers targeted reform proposals to address these issues. We anticipate that by implementing these reform measures, universities and kindergartens will successfully nurture a greater number of intelligent financial management talents with high professional standards and innovative capabilities, thereby contributing to the sustainable development of China's financial management sector.

6.2 Research Outlook

With the continuous development of open source information technology and intelligent financial management theory, the intelligent financial management talent training mode will face more opportunities and challenges in the future. Based on the analysis and conclusions of this study, the following are the predictions and recommendations for future research directions:

1. Deepening the application research of open source information technology in intelligent financial management education

With its unique advantages, open source information technology has shown great potential in intelligent financial management education. Future research can further explore the app The application of open source information technology in teaching resource innovation, practical teaching mode reform, and other aspects, as well as the effective integration of open source information technology with financial management courses, is crucial for enhancing teaching effectiveness.

2. Expand the international vision of intelligent financial management talent training

With the acceleration of globalization, the intelligent financial management talents with an international vision will be more competitive. In the future research, we can focus on the international advanced intelligent financial management talent training mode, analyze their successful experiences and cases, and put forward the training strategy of international intelligent financial management talent based on the actual situation of China.

3. Strengthen interdisciplinary integration and cultivate compound talents

Intelligent financial management involves the knowledge and skills in multiple subject areas. Future research can explore how to more

effectively combine interdisciplinary knowledge such as computer science, data analysis, and artificial intelligence with financial management, so as to cultivate interdisciplinary talents with interdisciplinary background and comprehensive skills to meet the social demand for diverse talents.

4. Focus on the impact of emerging technologies on the cultivation of intelligent financial management talents

With the continuous development of emerging technologies such as blockchain, big data and cloud computing, intelligent financial management will face more changes and innovations. Future research should pay close attention to the development trends of these emerging technologies, analyze their impact on the training mode of intelligent financial management talents, and put forward corresponding coping strategies and reform suggestions.

5. Build a perfect intelligent financial management personnel training quality evaluation system

The quality evaluation of talent training is an important basis for optimizing the training mode. Future research can be committed to build a more perfect, scientific intelligent financial management personnel training quality evaluation system, including the selection of evaluation indicators, evaluation method optimization and evaluation results of feedback mechanism, etc., to ensure the accuracy and effectiveness of the evaluation results, provide strong support for the continuous improvement of talent training mode.

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