Research on The Management Mode of Vocational Education Students Based on The Internet

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Abstract: With the advent of the era of "Internet+ education," the management mode of vocational education is facing enormous challenges, and the problems of traditional classroom management and student management are becoming more obvious. This paper analyzes the practical significance, opportunities, and challenges of the Internet in the management of vocational education, and finds that only by updating and improving the management model of vocational education can we cultivate socially applicable and practical high-tech skilled talents [1]. Therefore, it is important to establish an information platform and practice refined management, adhering to the student-oriented concept of humanized education management. The management team can also be upgraded to improve management efficiency. We should pay attention to social practice and strengthen our internal management, develop electronic archives for tracking growth, and give full play to the potential of the network to implement democratic management. In this paper, the use of network tools to strengthen the communication between homes and schools, and the other six aspects of the "Internet+ vocational education management mode" are explored.

Keywords: Internet; Vocational education; Student management; Management mode

1. Introduction

Recently, Chinese vocational education has garnered widespread attention. As an important foundation of our economic and social development, the country has an increasing demand for professional and technical talents [2]. Although the combination of Internet technology and vocational education management mode has brought many opportunities to vocational education, it also faces a lot of challenges in the aspect of student management.

2. The practical significance of the Internet in the management of vocational education

In vocational colleges, schools have begun to incorporate Internet technology into student management and actively explore new models. By establishing a student information management system, electronic

management of student information has been achieved, facilitating operations such as information input, query, and update, greatly improving management efficiency [3]. At the same time, some schools also use social media and other online platforms to strengthen communication and exchange with students, understand their needs and feedback, and further optimize the service experience. In addition, schools also actively use Internet technology to facilitate online education, online examination, and online evaluation, providing more convenient learning services for students. Introducing Internet applications into student management has thus brought about practical significance.

2.1. Improving students' self-management ability

Not only can the combination of Internet technology and vocational education management record the growth of students on paper but also completes the record of students' basic information, learning behavior, and growth process, thus improving the quality and quantity of vocational education management [4]. Due to the virtual characteristics of the Internet, students often express their true inner thoughts [5]. Students can interact and communicate conveniently with teachers and classmates, share learning experiences, ask and answer questions, etc. Not only does this enhance the student's sense of participation and belonging but also helps improve their learning outcomes. Therefore, utilizing the Internet to implement vocational education can help educators study the student's characteristics, psychological conditions, personality traits, and current difficulties faced to carry out targeted education and assistance [6]. It can also help students have a profound understanding of their own behavior and career prospects in online education platforms and offline practical activities, and encourage them to constantly improve their self-management ability and correct sense of autonomy.

2.2. Increasing the width of class management in vocational education

In traditional class management, the counselor or class teacher often becomes the main body of vocational education management [7]. However, it has the disadvantages of low efficiency, inadequate management, and insufficient management depth, and the response in the student group is not ideal. At the same time, the traditional class management mode divides the relationship between family education and school education to a certain extent, which leads to the deviation of student's ideological cognition and the lack of firm values [8]. The application of Internet technology provides a good communication platform for school and family education. The class adviser can connect family and school education through the Internet so that both become more harmonious and consistent. This provides students with more opportunities, improves their judgment, and promotes their all-round physical and mental development to develop a healthy and positive attitude towards life [9].

3. Deepening the depth of vocational education management

The comprehensive quality of students can be improved through the Internet. In today's information age, students need to possess rich knowledge and skills to adapt to the needs of society [10]. Through the Internet, students can access various online courses, learning resources, and practice opportunities. Through self-directed learning and practice, students can enhance their comprehensive qualities and employment competitiveness, laying a solid foundation for their future career development.

3.1. The challenges and opportunities facing the vocational education management model under the Internet

3.1.1. Challenges faced by the management model of vocational education under the Internet

In the context of the Internet era, the student management model of vocational education is facing

unprecedented challenges [11]. These challenges stem from the popularity and development of the Internet, as well as its profound impact on the educational environment and student behavior.

First, with the rapid development of Internet technology, the speed and breadth of information dissemination have been greatly improved. Students can easily access various types of information, but at the same time, the problem of information overload is becoming increasingly serious [12]. The massive amount of information can be confusing when screening and identifying data authenticity, which has a profound impact on the student's ideological concepts and behavioral habits. To prevent this, schools need to strengthen the screening and filtering of information, while improving their information literacy to help the students better distinguish and process information.

Secondly, the popularity of mobile Internet causes students' addiction to the Internet to become increasingly prominent. Internet addiction not only affects the student's academic performance but also poses a potential threat to their physical and mental health [13]. Therefore, schools need to develop effective management measures to guide students to use the Internet correctly and healthily. For example, setting reasonable access periods and implementing healthy Internet usage management can help students maintain good physical and mental health.

Finally, the openness of the Internet has caused the widespread of various values. Vocational students are prone to conflict and losing their values when exposed to different values. Schools should strengthen value education and guide students to establish correct values. At the same time, it is important to respect the individual differences of students, cultivate their critical thinking and independent thinking abilities, and enable them to maintain rationality in a diverse environment. Schools need to strengthen their ideological guidance and educational guidance for students, establish a comprehensive value education system, and provide students with the correct value orientation [14].

3.2. The opportunities of vocational education management mode under the Internet

(1) Implementing personalized education

The addition of information technology helps to establish a student management big data system and carry out targeted analysis of learning situations. Through big data systems, educators can quickly understand the situation of individual students in the class and improve work management efficiency. At the same time, the dynamic analysis characteristics of big data enable teachers to comprehensively and timely grasp the dynamics of students, thereby carrying out hierarchical teaching or differentiated education based on the needs of each student. In addition, the early warning function of big data can also enable the timely prevention of potential ideological and psychological problems of students, guide teachers to prevent problems before they occur, and comprehensively improve the quality of class management work.

(2) Enhance the communication atmosphere among students in the class

Nowadays, with the popularization of smartphones, home-school communication and communication between students are becoming increasingly frequent. With the support of Internet technology, parents can better understand their students' demeanor, class announcements, and learning status in real time, achieving equal and timely communication between parents and teachers. At the same time, students can also use Internet management platforms to share their learning experiences and seek assistance, greatly improving their learning efficiency. It also facilitates teachers to understand the student's thoughts and feelings, and promptly improve educational methods. Internet technology also provides a new platform for class communication. Some students are naturally introverted and not good at

communicating with others. However, through online management platforms, they can participate in class management and speak freely, achieving a transition from introversion to extroversion [15].

(3) Innovating traditional student management methods

The rapid development of Internet technology has brought revolutionary innovation to the management mode of higher vocational students. The continuous progress of mobile Internet, Internet of Things (IoT), artificial intelligence (AI), and other technologies has provided intelligent solutions for student management. Through the development of mobile applications, the management of student personal information has become more convenient; IoT technology monitors the learning and living status of students in real-time, providing managers with more comprehensive and detailed data support. AI can provide early warning and identification of abnormal behavior among students, greatly enhancing the pertinence and foresight of management. For example, by analyzing the student's social media behavior AI technology can timely detect their psychological problems or emotional fluctuations to provide strong support for timely intervention.

3.3. Effective strategies for exploring the management model of vocational education on the Internet

3.3.1. Building an information platform and practicing refined management

Using Internet technology, a powerful and convenient information-based student management platform can be built to conduct a comprehensive digital management of student information and fundamentally modernize the traditional way of student management. By establishing a student information database, we can quickly and accurately obtain various information about students, such as academic performance, attendance, and behavior. By conducting in-depth analysis of student information, we can provide personalized learning advice and career planning for them. Through the data support of the platform, we can timely identify their learning problems and life difficulties, and implement effective intervention measures. In addition, we can also develop more scientific and reasonable student management plans based on the characteristics and needs of students, further improving their learning effectiveness and comprehensive quality. Finally, the platform will promote interactive communication between schools and students. Through online consultation, feedback, and other functional modules, students can communicate and exchange ideas with school administrators, reflecting on their problems and providing suggestions. To better understand the needs and opinions of students, management strategies should be adjusted promptly and enhance the management level and reputation of the school.

3.3.2. Adhere to the student-centered concept and implement humanized educational management

The concept of "student-centered" is an advanced educational concept, but the actual implementation of this concept in class management is not optimistic. In the process of class management, many educators habitually refer to students as manageable objects and often restrict and manage their speech and conduct. This leads to the imbalance of the status of teachers and students in the field of education, resulting in mutual incomprehension and intensified conflicts between both parties. Educators in the management of students should respect the students so that both parties are of equal status. This way, it is easy to motivate and mobilize the inner power of young people, constantly self-conduct correction, better self-management, and self-restraint, so that they realize the values of self-esteem, self-improvement, and responsibility.

The "student-centered" educational philosophy is a management philosophy and model that puts students at the center and prioritizes their welfare but does not necessarily fulfill all their needs. Simply put, it means standing from the perspective of students, with the goal of their healthy growth and comprehensive

development, making scientific educational plans, and designing reasonable teaching methods. This is so that students can be purely managed and become collaborators in educational management work, rather than independent individuals outside rules and regulations. Some vocational colleges often have a misconception when it comes to student management, believing that they should give full play to their "professional" attributes, with a focus on exercising and improving the student's professional skills, rather than paying attention to the student's physical and mental health. Therefore, in the context of the Internet, vocational education workers need to have a clear understanding of the relationship between educators and student management. Only by adhering to the student-centered concept can humanized educational management be carried out. Only by valuing the cultivation of student confidence, self-esteem, and self-love can we ensure the cultivation of vocational talents with comprehensive development in morality, intelligence, physical fitness, aesthetics, and labor.

3.3.3. Upgrading the management team and improving management efficiency
The construction of vocational college management needs to be reasonably organized based on the number of students and their needs, to enable the comprehensive development of students. The management team of vocational colleges usually includes various aspects of work, such as student education, student life, mental health, career planning, life practice, and social growth. In traditional student management, counselors or homeroom teachers are generally the main managers, which not only involves various management content but also produces unsatisfactory management outcomes. From the perspective of Internet vocational education, the student management team requires the participation of multiple professionals, such as counselors or homeroom teachers, mental health guidance teachers, vocational guidance teachers, professional course teachers, etc. At the same time, in the process of upgrading the student management team, universities should also encourage staff in various positions to improve their work skills, such as mastering Internet technology and using online education platforms to form a technology-based and professional vocational education management team. This way, student management and education work can be more technological and efficient.

For example, attracting senior teachers to serve as counselors or homeroom teachers with high salaries can effectively manage students in terms of time and experience. Qualified and internet-capable psychological experts should be hired instead of temporarily borrowing administrative counselors or homeroom teacher positions to timely discover and improve the students' psychological problems in life. Professionals from corresponding positions in universities can be hired to serve as career planning instructors, deepen students' understanding of their respective majors, clarify their future career prospects and plans, and build their professional confidence through practical activities [16].

3.3.4. Pay attention to social practice and strengthen internal management
Simply constraining students' thoughts and behaviors can achieve good management results in the early stage, but in the long run, not only does it increase their sense of boredom but also stimulates their rebellious psychology, affecting the final management outcome and quality. Therefore, in vocational colleges, teachers can try to guide students through social practice activities by forming an "external+internal" management model. Students who enter vocational colleges have already developed a certain level of self-management ability and awareness, such as paying attention to hairstyle, dressing, and time management. When schools use existing equipment to carry out internet management, they should not take it for granted. They should deeply explore the connotation of internet management, learn to liberate their minds, innovate management methods, and deeply integrate students' self-management into all aspects of life. Practical activities can be regularly organized that allow students to infiltrate society so that they can recognize the importance of school management and self-

management through diverse activities, such as organizing various forms of club activities, community services, and rural revitalization services. These activities provide students with opportunities to showcase themselves and improve as a whole.

3.3.5. Leveraging network advantages and implementing democratic management

The emergence and use of the Internet will have a profound impact on the thoughts and values of vocational colleges and students. Vocational college counselors or homeroom teachers should not blindly adopt a one-size-fits-all approach when using the Internet to guide students. Instead, they need to utilize the excellent aspects of the internet to promote the students' intellectual enlightenment and healthy development and find ways to reduce the negative impact of negative information on students. The highest demand among vocational college students is fairness and democracy. Therefore, counselors or homeroom teachers can use the Internet to build a fair and democratic online class management platform. This aims to encourage the participation of students in class management, stimulate their curiosity and initiative, and enable educators to truly serve the students. At the same time, the online class management network platform can be used in the formulation of class management systems and the voting of class cadres. On online platforms, students can freely communicate, discuss, and vote anonymously to jointly decide whether a certain management system is feasible and whether a student is sufficient to serve as a class committee member. Not only does this fair and democratic atmosphere greatly enhance the credibility of class management regulations but also allows students to have a deeper understanding of management systems and regulations, thereby constraining their behavior and language and enabling them to continuously exert their value on online platforms and classes. In addition, teachers can also arm students' political thoughts and values through online platforms, promoting their comprehensive and healthy growth.

3.3.6. Utilizing the Internet to strengthen home-school communication

The use of mobile communication devices has greatly improved the communication between schools and families. Through mobile devices or online education platforms, parents and schools can communicate and contact each other promptly about the students' performance and problems, exchange information, and facilitate their healthy development. Parents can utilize the online class management platform to understand their children's learning progress, psychological state, their daily performance in the class, and understand the learning tasks assigned by teachers. This way, parents can effectively supervise and guide their children. Educators can use network communication software to obtain the performance of students at home, such as personal hygiene and completion of social activities to design targeted student management plans to help students improve their abilities and achieve harmony and unity between school education and family education.

4. Conclusion

It is crucial to improve and innovate the existing management models of vocational colleges in the era of the Internet. Only by following the trend of educational development can we better adapt to the student management needs of the new era and continuously improve the competitive strength of vocational colleges. At the same time, vocational education institutions should focus on the needs of job seekers, learners, and enterprises in terms of educational and management concepts, continuously innovate management models, apply more digital teaching equipment, improve the quality and teaching effectiveness of college management, and provide more self-management and high-quality talents to society and enterprises.

Disclosure statement

The authors declare no conflict of interest.

References

[1] Jin H, 2023, Research on the Construction of Management System of Vocational Education in Colleges and Universities Based on Quality-Oriented Education Model. New Curriculum Teaching: Electronic Edition, 2023(4): 183–184.

[2] Cai H, 2022, Chinese Science and Technology Journal Database (Full Text). Education Science, 2022(11): 77–79.

[3] Xin X, 2021, Discussion on the Innovation Model of Secondary Vocational Class Management Under The Background of "Internet+." Good Day, 2021(3): 29.

[4] Xiao S, Yuan R, 2023, Research on Ways to Improve Class Management Ability of Homeroom Teachers in Secondary Vocational Schools Under the Background of "Internet+." Vocational Education, 2023(1): 49–52.

[5] Gao Y, 2021, Discussion on the Administrative Management Mode of Vocational Schools Under The Background of "Internet+." Chinese Science and Technology Journal Database (Full-Text Edition) Education Science, 2021(4): 296.

[6] Fu Q, Study on "Five Platforms" Collaborative Education Model for Tourism Management Major in Higher Vocational Colleges. Mechanical Vocational Education, 2021(10): 36–39.

[7] Jiang Y, Zeng G, Liang H, 2009, Putting Students First and Serving Supreme – Several Reflections on Building a New Model of Student Management in Vocational Colleges. Online Wealth, 2009(19): 94–96.

[8] Song L, 2018, On the Difficulties and Countermeasures of Student Management in Vocational Colleges. Rural Economy and Technology, 2018(6): 267 + 269

[9] Chen Y, 2016 Research on the Problems and Countermeasures of Student Participation in School Management in Vocational Colleges, dissertation Yunnan Normal University, China.

[10] Zhu W, 2015, Analysis of Student Management in Vocational Colleges. Jiangsu Science and Technology Information, 2015(19): 46–47

[11] Li X. 2017, Effective Strategies for Improving Student Management in Vocational Colleges. Science and Technology Information, 2017(12): 237–238.

[12] Wang N, Jiang W, 2014, Exploration of Student Management in Vocational Schools in the New Era. Wireless Internet Technology, 2014(6): 210.

[13] Xu L, 2014, Enhancing Student Professional Literacy and Building a Student Management System with Characteristics of Vocational Colleges – Research Report on Student Management and Student Professional Literacy Development in Vocational Colleges. Jiangsu Education Research, 2014(15): 58–60

[14] Pei X, 2012 On Several Methods of Student Management in Vocational Colleges. Shenzhou, 2012(35): 235.

[15] Li R, 2020, On Humanized Management in Student Management in Vocational Colleges. Industrial Innovation Research, 2020(9): 183 + 185.

[16] Yan J, 2019, On How to Promote the Improvement of the Quality of Student Management in Vocational Colleges under the New Situation. Think Tank Era, 2019(13): 63–64.