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Design of a wireless environmental data monitoring and anti-theft system for agricultural greenhouses based on the Zigbee

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Abstract: In this project, the intelligent agricultural greenhouse control system uses CC2530 single chip microcomputer as the control core, sensing technology as the sensing layer, Zigbee wireless communication technology to ensure reliable data transmission, and automatic control of irrigation, ventilation, temperature control and other functions in the greenhouse can be achieved. The experimental results show that the design of ZigBee-based wireless environmental data monitoring and anti-theft system has stable performance, fast response rate, reliable data transmission and small packet loss rate. Both the accuracy of data monitoring and the accuracy of anti-theft system can achieve efficient and stable data transmission.

Keywords: Intelligent agricultural greenhouse; Single chip microcomputer; Wireless communication; Sensor technology; Monitoring

1. INTRODUCTION

After 2015, on the basis of intelligent control and practice, intelligent agricultural greenhouses will develop towards the direction of more advanced technology and more complete functions. With the continuous combination of agriculture and Internet technology, the planting system of intelligent agricultural greenhouses will be more efficient, multi-functional, intelligent and stable.[1]

The main task of this topic is to use TI company research and development of microcontroller CC2530 as the control core, combined with sensor information acquisition technology, automatic control technology and wireless communication technology, design a constant temperature control, automatic irrigation, automatic fire extinguishing and other functions of the intelligent greenhouse control system. The Zigbee-based wireless environmental data monitoring and anti-theft system designed in this topic can work in manual and automatic control modes. In manual mode, the operator can use the button to give instructions to the coordinator to realize the setting of temperature parameters and irrigation, and can also choose whether to open the anti-theft mode. In automatic mode, the smart greenhouse has an anti-theft system composed of ultrasonic and infrared human body induction. Ultrasonic can detect whether the indoor door is opened and measure its distance to determine whether the door is opened, and infrared human body detection to determine whether someone has passed by.

2. SYSTEM WORKING PRINCIPLE

The system is dominated by CC2530 microcontroller, and the system consists of three main parts: the sensor-side node-terminal, the central node-router, the monitoring center-coordinator. Sensor nodes and central nodes constitute the sensor layer network of Zigbee wireless LAN, various sensor acquisition equipment and terminal acquisition modules form sensor nodes, terminal acquisition modules are mainly distributed in the monitoring area of the star network topology network. The role of the central node (router) is to aggregate and forward the data collected by each sensor node (terminal) to the monitoring center (coordinator). The coordinator exchanges human-machine data through the OLED electronic display, which can display various data in each monitoring area and process the received data. The number of central nodes can be increased on demand to increase the number of forwarding, which can expand the monitoring range of Zigbee network, increase transmission distance, and enhance the relative stability of the network. Once Zigbee nodes find that the parent node has dropped the network, the child nodes search for the network again and seek the optimal node to join and re-enter the network. [2]

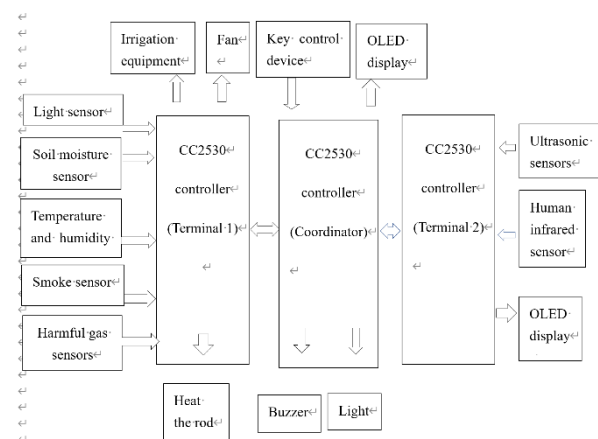


Figure 1. System structure intent

The environmental monitoring system mainly collects the basic data on the light intensity, air temperature and humidity, soil moisture, smoke concentration and harmful gas concentration parameters in the agricultural planting shed in real time through sensors in various terminal equipment, and summarizes the collected environmental information parameters after module conversion,

transmits the information to the central control node through the network transmission layer, and transmits the basic information of the crop growth environment obtained by the monitoring equipment of the perceptive layer: soil, humidity, After comparing the lighting with the standard index, the control command is made, and the control command is sent to the controlled device by using the routing node, and the planting system will automatically control the environment to the state of suitable plant growth.

Using the temperature sensor module DHT11 to detect the ambient temperature, the temperature is too high to directly turn on the ventilation equipment to adjust the temperature, when the room temperature reaches the standard, and then realize automatic closure, workers only need to set a simple threshold for growing fruits and vegetables, the rest are automatically completed by the smart shed. The sensor MQ-137 is used to measure the concentration of harmful gases, the voltage value is measured, and the analog signal can be converted into a digital signal by carrying the A/D analog-to-digital converter by the chip itself. The concentration of the collected gas (analog signal) can be converted into a voltage value (digital signal). Determine if the harmful gases in the shed are up to standard. When the harmful gas is about to reach the maximum limit concentration is to give an early warning while turning on the fan to drain the harmful gas. The sensor MQ-2 is used to measure smoke particles in the air, to take alarm measures when the smoke particles reach the set threshold, while closely monitoring the ambient temperature, and immediately turning on all sprinklers to extinguish the fire when the ambient temperature rises to a dangerous state. Using the BH1750FVI digital light-strength sensor, the voltage size is used to determine the light size and see if the light needs to be re-lighted in the shed. The soil moisture sensor monitors the soil moisture to determine whether irrigation is to be performed. Different status indicators are lit at the same time as different operations are carried out in the shed, and the status indicators provide a more intuitive picture of the operation of the greenhouse shed.

Terminal 2 is an anti-theft system, after the user turns on the leave-from-home mode, the control side sends a control instruction, Terminal 2 receives a reply signal, the control end displays a reply signal to say to turn on the security function. Terminal 2 is equipped with keys, status display lights, OLED LCD display, ultrasonic ranging module and human infrared sensor. When someone opens the door and enters, the distance of the door changes instantaneously. The distance value of the HC-SR04 ultrasonic module detects the door is compared with the original data to determine whether the door is open, and if the human infrared sensor measurement value changes, someone breaks in and sends an alarm signal to the background.

Fire prevention and control system is mainly composed of smoke sensors, air temperature and humidity sensors and pump equipment, when a fire, the increase in smoke concentration in the air by MQ-2 smoke sensors accurately captured, using sensors to detect ambient

temperature, the fire size is determined by comparing the two sensor values with the original data. After the fire, the use of buzzers to alert staff, while the status indicator LED lights can also reflect the severity of the fire, according to the different fire size drive pump firefighting operations.

3. HARDWARE CIRCUIT DESIGN

The resources used in the CC2530 based on Zigbee wireless environmental data monitoring and anti-theft systems are: ultrasonic sensors and human infrared sensors are available on terminal 2 modules. The ultrasonic transmission pin Trig of the ultrasonic ranging sensor connects to the CC 2530 microcontroller P0-6 port, and the data pin Echo connects the CC2530 microcontroller P0-7 pin. Using the CC 2530 microcontroller comes with a universal timer TIM2, the data pin Echo high-level duration is calculated to calculate how far apart the two are, the human infrared sensor HC-SR501 The module is connected to the CC 2530 microcontroller P0_4/BTN2 port, the role is to detect if anyone broke in, terminal 1 module equipped with DHT11 The DATA pin for the temperature and humidity sensor is connected to the microcontroller P1_6/MOSI pin, and the digital light intensity sensor GY-30 module clock line (SCL) is connected to the CC2530 microcontroller P1_5/SCLK Pin, data cable (SDA) to CC2530 microcontroller P1_4/CSN pin, ADDR address line ground.

The soil moisture sensor, the smoke measurement sensor MQ-2 module and the air quality detection sensor MQ-135 use the ADC function, and since the CC2530 chip only has P0 port support for ADC function, the soil moisture sensor AO output P0_5/ BUT3, the analog output of the smoke sensor MQ-2 is connected to the P0_6 pin of the microcontroller, and the analog output of the air quality detection sensor MQ-135 is connected to the P of the CC2530 microcontroller 0-7 pin. Relay control pump port receiver P1_3, relay control fan port receiver P1_7/MISO, relay control heating rod port receiver P1_2. The buzzer alarm on the coordinator picks up the P0_7 of the microcontroller, and the OLED display connects the P0_0, P1_7/MISO, P1_3, P1_4/CSN. Using timer 1 for data transmission, there are anomalies in the shed such as: security mode on if the system determines that someone broke in, sent a fire or harmful gas content exceeded the threshold, using the CC2530 microcontroller timer 1 capture interruption, suspend all work in the shed and send sound and light alarms to alert the user. [3]

The temperature and humidity sensor module DHT11 temperature measurement accuracy is ± 2 degrees C, humidity measurement accuracy is $\pm 5\%$ RH, temperature measurement range is 0 to 50 degrees C, humidity measurement range is 20% to 90% RH. The soil moisture sensor measurement standard is to set the sensor to 100% when inserted into water, 0 in the exposed air, divided into 100 equitization, the accuracy is $\pm 5\%$. The MQ-2 smoke sensor and MQ-135 hazardous gas sensor measures the accuracy of ± 0 to 80PPM, and the smoke range is 100 to 10000PPM. The ultrasonic sensor HC-SR04 has a measurement accuracy of ± 1 cm and a measurement range of 2cm to 3m.

4.CIRCUIT DESIGN

This paper mainly shows the core control circuit, as shown in Fig.2. The core board includes an external antenna, an internal crystal circuit and a vibration circuit, a reset circuit and a JTAG/SWD debug download interface, and

an RF receiver. The CC2530 is externally connected with crystals of 32 MHz and 32.768 kHz, respectively. The 32 MHz active crystal as a crystal oscillator must use a 32 MHz crystal when using an RF transceiver.

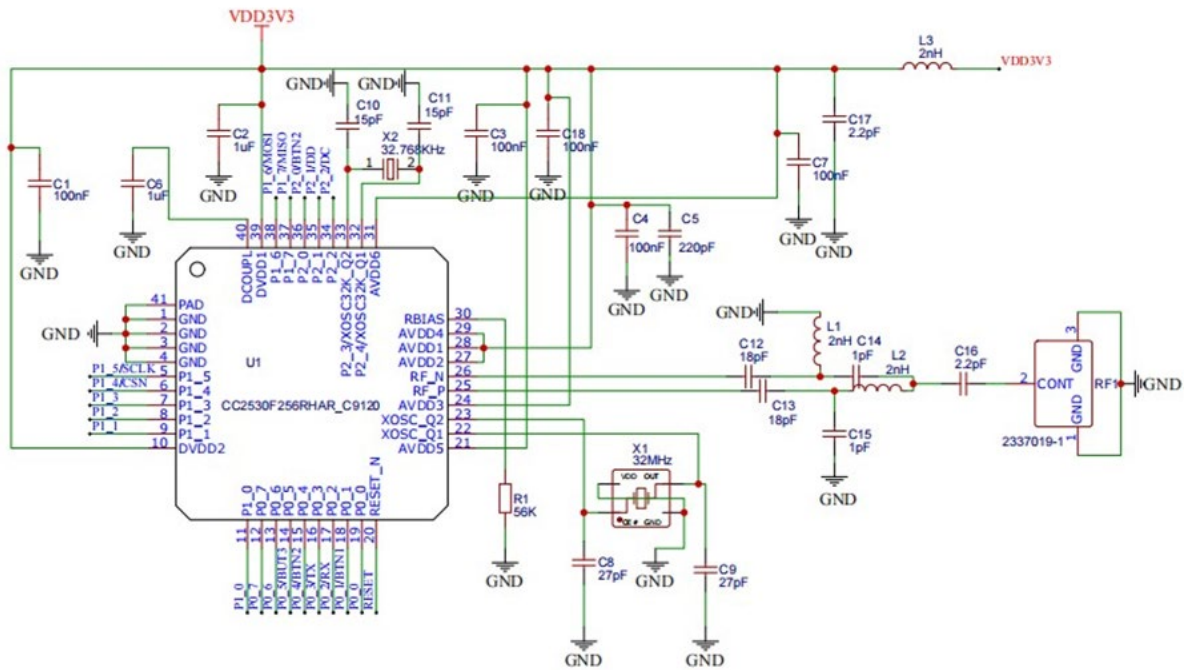


Figure 2. The main circuit diagrams

5.SYSTEM COMMUNICATION PRINCIPLES

The system network connection structure is a star network topology. Star topology: A full-featured network coordinator (Full Function Device for FFD) and other from devices (Reduced Function Device for RFD). The primary responsibility of the coordinator is to create a local area network and control the network, powered by a USB power cord without taking into account excessive power consumption, so the transmit frequency power can be adjusted to the maximum. The coordinator immediately searches for the surrounding network communication channel occupancy, and then selects the relatively suitable channel. Zigbee is based on the IEEE802.15.4 communication protocol, which sets twenty-seven physical information channels, starting from scratch to twenty-six, each with its own central frequency. Sixteen information channels (11-26) are available in China's 2.4GHz free-to-use band. Once the appropriate information channel is selected, search for the environment information in this channel and create a unique PAN identifier to establish a network. PAN identifier - distinguishes network attribution, and each different network has its own unique PAN identifier. When there is data to be sent, the device is awakened from sleep mode, through which the channel accurately obtains the relevant data information of other coordinators within the specified range, selects a reasonable and appropriate PAN identifier, and begins to establish a network link with the coordinator, successfully connects to the network and transmits the relevant data through the service original language stipulated in the protocol stack, and divides the original language into four types: the original language,

the confirmation original, the request original language, and the original language of the response. When successfully connected to the network, the requesting networking device receives a sixteen-digit address short code assigned by the coordinator. At this point, the Zigbee network is built, connected from the device to communicate with the full-featured network coordinator.

6. THE FORMATION OF THE ZIGBEE NETWORK

The formation of the Zigbee network consists of two steps: the coordinator initializes the network to create the network, the node searches the network, and joins the network. The process of joining the network from the node is divided into two kinds: joining the parent node network to form the parent and child network node, and connecting the coordinator directly. ZigBee creates a network that typically contains three important components: pan coordinator nodes, router nodes, and endpoints, where the PAN coordinator component is essential.[4]

Coordinator node: The information gathering center of each node, which is responsible for the formation and management of the network. Communication with the upper computer through the sending and receiving segment of the coordinator node. The communication, processing and information emission capabilities of the coordinator are the strongest in ZigBee communications, and even data from the remote-control side can be sent.

Router node: Its main function is to accept forwarding packets and route data. Help child node data forwarding, path search. You can maintain the network, enhance network stability, and increase the distance of data transmission. Helps children who join the network communicate. The router node is the forwarder of the

endpoint and the coordinator node, which can realize the data transmission function and become the information baton between the coordinator and the terminal.

Endpoint: Information collection, the endpoint can be directly connected to the coordinator node, or through the router node and the coordinator node.

7. PROGRAMMING

The C language program chosen for the design of this topic is written. The coordinator, router, and terminal must be powered on and system initialization must be performed. Start work after the system initialization is complete. This paper mainly introduces the program design idea of the greenhouse environmental monitoring system. The system is initialized after power is electrically powered on the device, followed by sensor initialization. Next, start testing the environment data for sensor devices. Sensors are prioritized from highest to lowest: temperature and humidity sensors, light sensitivity sensors, soil moisture sensors, and hazardous gas sensors. Each sensor is compared with the set value range to determine whether a signal is sent to start its own adjustment device. The cycle ends when the measurement is within the set value range.

8. CONCLUSION

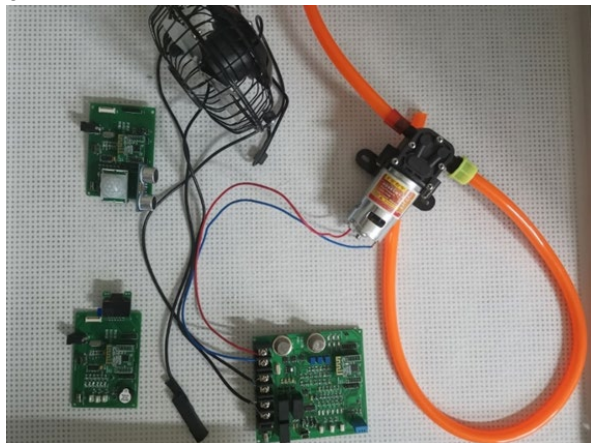


Figure 3. Physical finished product

Based on Zigbee's wireless transmission technology, the CC2530 microcontroller is used as the control core, and a variety of sensors are designed to be miniature intelligent. By designing the self-built protocol stack of data monitoring and anti-theft control system, the performance is stable and can run steadily for more than three days in a row, the response rate is within 0.5 seconds, and the data transmission is reliable, the drop rate is less than 2%. Ultrasonic sensor measurement accuracy within 1cm, harmful gas sensor recognition rate, accuracy of up to 80PPM, whether it is the accuracy of data monitoring or anti-theft system accuracy, can achieve efficient and stable data transmission. The anti-theft system recognition rate is greater than 90%. The physical sample is shown in Fig.3.

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Research On Strategies for Improving the Effect of College Students' Online Learning

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Abstract: The improvement of the level of information technology has brought new opportunities for education reform. In this environment, the online learning model has gradually entered the training of college students, thereby effectively achieving the improvement of the level of education and teaching. Based on this, this article analyzes the status quo of online learning of college students, and on this basis, proposes to establish the concept of autonomous learning, improve the online learning platform, implement the hybrid teaching model, and optimize the content of the curriculum.

Keywords: College Students; Online Learning; Blended Teaching

1. INTRODUCTION

With the continuous advancement of education informatization and modernization, colleges and universities have become important places for the development of online learning, and the application of online learning models can also help improve the learning effectiveness of college students. However, in terms of current application effects, college students still have certain problems in online learning. In order to give full play to the advantages of online learning, colleges and universities should implement a more complete teaching model to lay the foundation for the all-round development of college students.

2. THE STATUS QUO OF ONLINE LEARNING FOR COLLEGE STUDENTS

In fact, the application of online learning mode has many advantages, but in terms of its application, there is still a lot of room for improvement. For example, the excessively rich digital resources on the online teaching platform will make the college students have no choice. At the same time, the imperfect quality of the back-end service also affects the effect of online learning to a certain extent. With the improvement of the level of information technology, college students have more diversified online learning methods and more flexible course selection. However, whether the expected learning effects can be achieved and whether they can effectively interact with teachers are still issues that need to be considered in the implementation of the online teaching model. At the same time, the advancement of online teaching mode also puts forward higher requirements for the construction of campus wireless network. Only by providing perfect network conditions can the effect of online learning be improved [1]. In addition to digging, the effectiveness of online learning will also be affected by students' learning self-control. Only by establishing a scientific concept of autonomous learning and making a clear online learning

plan can the process of online teaching be better completed. In the process of online teaching in schools, the above-mentioned contents are all factors that affect the learning effect. Therefore, it is necessary to implement a more complete curriculum model to lay the foundation for improving the online learning effect of college students.

3. EFFECTIVE STRATEGIES TO IMPROVE THE EFFECTIVENESS OF COLLEGE STUDENTS' ONLINE LEARNING

3.1 Establish the concept of independent learning

Considering the characteristics of practice, the effect of online learning will be largely affected by students' self-learning concepts and self-learning ability. Especially for computer-related courses, students are required to improve their learning effects through online self-learning. Therefore, teachers should help students to strengthen their understanding of the network platform for the learning of related courses, cultivate their independent learning concepts, and guide students to correctly understand the new teaching mode of online learning. First, you can share the online learning experience of outstanding students on the WeChat official account platform to help more students master the correct computer online learning methods; Correct the homework and point out the problems in it. Finally, teachers can also encourage students through the online platform to promote their learning enthusiasm and enthusiasm, and lay the foundation for the cultivation of autonomous learning awareness and habits.

3.2 Improve the online learning platform

At present, computer college students often face diversified online education platforms when they conduct online learning. In order to optimize teaching effectiveness, schools should integrate students' teaching arrangements and teaching platforms in a unified manner, and implement fixed teaching methods. In this form, the instructors can be unified in the same course group and issue corresponding course notices in a targeted manner, thereby avoiding the inconvenience caused by multiple course groups and multiple discussion platforms for each course. At the same time, the school should give full play to the corresponding technical advantages, and develop its own multi-functional online teaching platform including course playback, live video, technical discussion, etc., so as to expand and solve the problems faced by college students in the process of online learning from the technical level.

3.3 Implement a mixed teaching model

In the process of online learning for college students, teachers play a very critical role, not only the imparter of professional knowledge, but also the guide of online

learning. When teaching is actually carried out, an effective online hybrid teaching model should be implemented, and more opportunities for interaction between teachers and students should be created. For example, teachers of professional courses can publish teaching materials and instructional videos on the network platform before teaching, which can help students to prepare well. From the perspective of students, online preview can master the key and difficult knowledge of this lesson in advance, and then can listen to the lectures in a targeted manner during formal teaching, thereby promoting a significant improvement in learning efficiency. Especially for computer-related courses, according to the characteristics of the course and the characteristics of the students, the teaching method of "live + recording + live + recording + live" can be adopted. The specific operation mode is: first, the teacher before teaching You can play the tutorial content through the online learning platform first, use this part of the time before class to help students understand key and difficult knowledge points, and guide students to carry out follow-up learning tasks with questions; second, students complete the watching of the teaching video by themselves; Third, teachers can use the online learning platform to broadcast live, and they can use this time to interact with students accordingly, so as to activate the classroom atmosphere and improve students' enthusiasm; fourth, students can watch the teaching videos independently Fifth, the teacher organizes students to return to the live broadcast room to complete the summary of the classroom content and answers to student questions [2]. Through this kind of teaching form, the enthusiasm of students in class can be mobilized to the greatest extent, and their attention can be concentrated in the classroom.

3.4 Optimize course content

In the process of implementing the online teaching model, the school should give full play to the role of organization and guidance, complete the unified arrangement of each teaching and research section, and ensure that each lesson can be carried out in an orderly manner in the form of curriculum groups, curriculum groups, etc. Among them, the person in charge of the course group needs to formulate corresponding online teaching plans, and improve and optimize the teaching links, teaching

methods, and teaching content; while professional course teachers need to prepare the syllabus, micro-class videos and after-classes before teaching Homework and other teaching materials, and perfect teaching arrangements based on the actual characteristics of computer-related courses, re-planning the goals and content of online teaching, and creating a perfect online learning environment for students. In addition, the school can also establish a teaching and research group composed of college leaders, directors of teaching and research sections, and counselors to check the status of online teaching and propose corresponding solutions to problems in it to ensure the further improvement of online teaching quality.

4.CONCLUSION

In summary, the implementation of the online teaching model is a brand-new attempt of traditional computer teaching. It can not only promote the improvement of teaching effects, but also strengthen the cultivation of students' awareness of autonomous learning. When actually carrying out online teaching, schools should continue to improve the online learning platform, and at the same time optimize the effect of the curriculum through a hybrid teaching model, thereby continuously improving the enthusiasm and initiative of students to participate in online courses.

ACKNOWLEDGEMENTS

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Research On the Translation of Ice and Snow Tourism from The Perspective of Eco-Translation

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Abstract: With the continuous development of social science, technology and economy, people's living standards in our country have also been greatly improved. While people's living standards have been improved, the requirements for quality of life have become higher and higher. This situation has promoted my country's tourism. The rapid development of the industry. my country's current tourism industry is developing rapidly, and some problems have also emerged while developing. The existence of these problems has certain obstacles to the development of ecotourism. In ecotourism, ice and snow tourism is suitable for any form of tourism, and ice and snow tourism is a tourist attraction. The general term for ice and snow tourism can be a good experience and understanding of the connotation of ice and snow culture, because tourists are not only nationals, in order to enable foreign friends to clearly understand this ice and snow culture, they should strengthen the products in tourism. translation. This article focuses on the research and analysis of ice and snow tourism translation from the perspective of ecological translation.

Keywords: Eco-Translation Studies; Ice And Snow Tourism; Translation; Analysis And Research

1. AN OVERVIEW OF ECOLOGICAL TRANSLATION THEORY

Eco-translatology is a research hotspot in translation theory in our country in recent years. It is an ecological research method proposed by Hu Shengeng in the field of translation. Since the content of ecological translation includes two disciplines of ecology and translation, it can be said that ecological translation Learning is an interdisciplinary research field. Ecological translation is simply a way of understanding translation theory from an ecological perspective based on translation ecology and natural ecology. The basic theory of ecological translation is to simplify the translation method into a three-dimensional transformation of culture, language and communication. The main principle is the integrity of the translation ecosystem. Cultural conversion means that the translator converts between two cultures during the translation process, focusing on the spread of bilingual culture. In order to ensure the accuracy of translation during cultural conversion, the translator should reveal the differences between the two languages. Language conversion is the adaptive choice of translators when translating. This translation method is also a basic translation method. Communicative transformation means that translators should pay attention to the adaptability of

bilingual communication. In the process of translation, they need to focus on language transformation and cultural transmission.

2. THE RELATIONSHIP BETWEEN ECOLOGICAL TRANSLATION AND THE PUBLIC SIGNS OF ICE AND SNOW TOURISM

The proposal of ecological translation is a change in the development of my country's translation industry, providing a new academic vision and theoretical thinking for the translation industry. The use of ecological translation to translate the ecological environment is the world presented by the original text, target language and source language. In ice and snow tourism, the public signs on some public signs have a certain degree of particularity, and most of the signs are expressed in graphics. In this case, a professional translator is first required to properly translate ice and snow tourism. The translator is the subject of the translation process and plays a key role. Before the official translation, you should also understand the content of the public signs in the ice and snow tourism, and understand the content and service objects represented by the public signs in the public signs through understanding. Since the publicity signs are to be displayed to passengers in different regions, the source language differences and cultural and language characteristics of the target need to be considered in the process of publicity language translation, and three-dimensional translations suitable for readers should be adopted. In the process of language translation, passengers are the service targets of the public signs, so passengers have the right to choose the translator's translation.

3. THE PROBLEM OF THE COMBINATION OF ECOLOGICAL TRANSLATION AND ICE-SNOW TOURISM TRANSLATION

3.1 Translation does not have features

There is a close relationship between culture and translation. In ice and snow tourism, when the translation does not have characteristics, it will cause passengers to be unable to correctly understand the culture in the landscape. Each landscape contains unique cultural connotations and characteristics of natural landscapes. The cultural connotation is displayed through display cards, and the cultural charm of the landscape will be greatly reduced when the translation is not in place.

Secondly, the principle of simplicity should be followed in the process of public language translation, so that passengers can clearly understand the culture. However, most public language signs in ice and snow tourism often adopt mild language in order to reflect the humane

characteristics. Give a kind reminder that translators who face this language will make certain mistakes that make the English formula for translation complicated. In addition, there are still some translation tasks that use automatic machine translation for convenience. With the continuous advancement of technology, although the automatic translation method has a certain technological improvement, there will still be some translations that neither translate nor translate according to the original Chinese. Failure to follow the grammatical logic of English makes the content of the translation difficult to understand [1].

3.2 Wrong words in translation

Chinese and English are fundamentally different. There may be many ways of expressing an English word into Chinese. The English grammar contains a lot of content, and the misuse of words during the translation is very likely to cause passengers to fail to understand what the translation intends to express. Therefore, the translator must improve the accuracy of the translation when translating. English grammatical problems will often cause some grammatical problems in the process of translation, leading to inaccurate translation. The emergence of these problems not only hinders the spread of culture in the ice and snow tourism area, but also is not conducive to the formation of regional landscape culture.

4. TOURISM ENGLISH TRANSLATION SKILLS BASED ON ECOLOGICAL TRANSLATION

4.1 The translation strategy of public signs under the cultural dimension

The adaptability of the cultural dimension generally means that the translator should pay attention to the transmission of bilingual culture during the translation process. The difficulty of translation work is high. In order to ensure the correctness of the translation, the translator must have a transnational awareness, only to overcome the cultural differences. Obstacles in order to better learn different languages. Translators should first consider semantics when improving cross-culturalism, so as to reduce misunderstandings between different cultures. Secondly, they should use authentic idioms to avoid excessive literal translation, because the expression of idioms is more effective. International tourists bring better travel experience.

4.2 Translation Strategies of Public Signs in the Linguistic Dimension

The study of language dimensions is mainly about the collocation of phrases and words, the expression of language forms and other linguistic information that fit the original style. Mechanical translation is generally a translation work carried out by computer technology. The accuracy of this translation is low. When the translation is performed, neither the grammar nor the source language is analyzed. In order to effectively improve the accuracy of the translation, it must be strictly avoided. Mechanical translation method. When translating, you should be loyal to the original text. It is necessary to accurately express

the original text and to ensure a reasonable combination of words before and after. This requires the translator to fully clarify the content of the public sign. In order to enable foreign tourists to better understand the ice and snow tourist attractions, the translation should also be based on the ecological environment [2].

4.3 Public Sign Translation Strategies in the Communicative Dimension

Public signs translation should also pay attention to the feelings of tourists, so the translation should also be polite and adopt appropriate emotional colors for translation. In order to ensure that the translation is emotional, the translator should maximize the use of polite language and avoid indifferent attitudes. In the process of translation, it is also necessary to pay attention to strictly banning the country's taboos. The public signs in the scenic spots are a special style. Since the purpose of translation is to allow passengers to clearly understand the content expressed in the public signs, the target language audience must be put in the first place when translating.

5. CONCLUSION

The publicity language in ice and snow tourism is a business card for the publicity of a scenic spot, and it is also an important part of the cultural environment and language environment of the scenic spot. In the process of translation of public signs, any problems in any place will cause adverse effects of ice and snow tourism. Therefore, in order to avoid this problem, it is necessary to strengthen ecological translation to ensure that foreign tourists can better understand Chinese culture. When working on ice and snow tourism translation, only by analyzing from the perspective of ecological translation can the translation be more in line with the international context, and it can better promote the development of my country's tourism industry.

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The Influence of Kaneko Misuzu's Nursery Rhyme Poetry on Modern Childlike Innocence Education and Childlike Innocence Writing

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Abstract: In modern society, strengthening childlike innocence education for children can help children look at the world with expectation, help children develop correct world outlook and values, and provide children with a childhood full of childlike fun. As a representative of Japanese nursery rhyme poetry, Kaneko Misuzu's language full of childlike interest in her poetry is deeply loved by people. This paper mainly studies the influence of Kaneko Misuzu's nursery rhyme poetry on modern childlike innocence education and childlike innocence writing, so as to promote the creative level of childlike innocence works.

Key Words: Kaneko Misuzu; Nursery Rhyme Poetry; Modern Childlike Innocence Education; Childlike Writing

1. INTRODUCTION

Kaneko Misuzu, as a representative figure in the nursery rhyme circle in the Taisho Period of Japan, did not receive extensive attention in the early stage of publication. On the contrary, she was excavated again decades later, which made the literary circle realize the childlike innocence and artistic value contained in her nursery rhyme poems. Kaneko Misuzu's own experience is not happy, but she always shows a positive and optimistic attitude in her nursery rhyme poetry, and has a strong love for all things in the world, which also makes her nursery rhyme poetry known as "a good medicine for the treatment of spiritual trauma". This paper aims to study the influence of Kaneko Misuzu's nursery rhyme poetry on modern childlike innocence education and childlike innocence writing.

2. THE INFLUENCE OF JIN MEILING'S NURSERY RHYME POETRY ON MODERN CHILDLIKE INNOCENCE EDUCATION

Childlike innocence, as a remarkable feature of nursery rhyme poetry, can be seen as the innocence of children's heart on the one hand, and maintaining children's innocence from the perspective of adults on the other hand. Childlike innocence can make people always maintain a curious attitude and love everything, so as to get along with others with a kind and peaceful attitude. It is an ideal state of life. Childlike innocence education is to teach people to always maintain childlike innocence and maintain a positive attitude towards life. Looking at modern childlike innocence education from Kaneko Misuzu's nursery rhyme poetry, it can be divided into children and adults.

Firstly, as a group closely related to education, it is necessary to carry out childlike innocence education for children. In the process of developing children's childlike

innocence education, children's psychology should be taken as the starting point of education. There are obvious differences between children's psychology and adult psychology. At this stage, children can express things through language or symbols, which means that children begin to have preliminary perceptual ability, that is, what Piaget calls the "pre operation stage" [1]. In Kaneko Misuzu's nursery rhyme poetry, the natural scenery is embodied and dynamic, and things show similar psychological state and action behavior to children through personification, so as to make nursery rhyme poetry more fit children's psychology, so as to achieve the purpose of childlike innocence education. In the face of natural scenery, children will have their own cognition and ideas, and Kaneko Misuzu uses her talent to accurately capture these ideas and show them in the form of poetry, so that children can resonate in the process of reading, so as to achieve the effect of education.

Secondly, we should also pay attention to the development of childlike innocence education for adults. In the current research, many scholars ignore the role of nursery rhyme poetry in childlike innocence education for adults. In fact, adults in the process of adulthood do not mean that their psychological state has developed and matured. Many adults still maintain their curiosity and love for all things, which is also the expression of childlike innocence. After a period of silence, Kaneko Misuzu's nursery rhyme poetry was re-recognized by the Japanese people after the 2011 Japanese earthquake. Its interesting and loving language was accepted by the hearts of the Japanese people devastated by the earthquake, which has become a good medicine to cure the people's painful hearts. This is the childlike innocence education for adults. Kaneko Misuzu's nursery rhyme poems can save people from the abyss of pain and return their hearts to the simple happiness of childhood, so as to obtain spiritual comfort and satisfaction. By reading nursery rhymes, adults can break the spiritual barrier with children, so as to look at everything from the perspective of children, respect children, and play a good role in helping children's physical and mental development [2].

3. THE INFLUENCE OF JIN MEILING'S NURSERY RHYME POETRY ON CHILDLIKE INNOCENCE WRITING

Childlike writing refers to the creation of children as the reading object, including fairy tales and nursery rhymes. In order to create childlike works that fit children's reading interests, the author needs to grasp children's psychology and use children's language in the process of writing in

order to arouse children's resonance. In Kaneko misuzu's nursery rhyme poetry creation, it reflects a strong color of children's psychology. She is good at using language full of children's interest to build a fairy tale world for children. The language is simple without losing interest, and the tone is light and lively, which makes people feel a sense of happiness.

In children's psychological cognition, they regard themselves as the center of the world, and their cognition of the world is quite different from that of adults, which makes writers imitate children's intonation as much as possible in the process of childlike writing. Therefore, in Kaneko misuzu's nursery rhyme poems, there are a lot of repetition and monologue language, which is to imitate the unconscious repetition of children in the process of life. For example, in Kaneko misuzu's nursery rhyme poem goodbye, I count horses, chickens and flowers that I will never see again when I return to the city, The sentence "Mom, mom, wait for me" is repeated in the poem, just like a child's whisper, which accurately expresses the language full of childlike innocence. Secondly, in the cage of light, the expression of nursery rhymes changes from simple repetition to cascade promotion, from "I am a bird now" to "I am a lovely bird", and finally to "I am a kind-hearted bird", which gradually advances the psychological state of the protagonist, so as to stimulate the inner resonance of readers.

In addition, Kaneko Misuzu's nursery rhyme poems show a simple language style, which is also the requirement of childlike writing [3]. Children's inner world is extremely simple. Every plant and tree can attract children's attention, and their inner world is purely difficult for adults to achieve. In the creation of nursery rhyme poetry, Kaneko Misuzu adopts simple language and logic, so as to guide children to find the beauty in life and trigger their thinking about life. For example, in her old hen, the whole story is about the imagination of an old hen in the field, thinking about the current situation of the separated chicks. Through a simple picture, the mother's thoughts for her children are vividly displayed. It is this simple language that fits children's psychology, so as to stimulate readers' inner thinking and resonance. However, in a simple language, it can create a poetic scene and make people read it for a long time. Therefore, simplicity is an

important principle to be followed in childlike innocence writing.

4. CONCLUSION

As a treasure of Japanese children's rhyme poetry in the Taisho Period, Kaneko misuzu's creative characteristics of childlike innocence have had a far-reaching impact on childlike innocence writing and childlike innocence education in future generations. Taking childlike innocence as the discussion point, this paper explains the Enlightenment of Kaneko misuzu's nursery rhyme poetry to modern childlike innocence education and childlike innocence writing. In the process of childlike innocence education, we should respect children's psychology, and do not ignore adult childlike innocence education, and take children's psychology as the starting point in childlike innocence writing, Only by writing childlike innocence in simple language from the perspective of children can we create excellent childlike innocence works.

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On The Professionalism, Openness and Practice of Higher Vocational English Education

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Abstract: Nowadays, higher vocational English teaching has attracted much attention in higher education, and the purpose of higher vocational education is to cultivate practical talents suitable for social development, so it is necessary to actively innovate and improve English teaching, but Facing some of the problems, relevant educators need to explore and improve them. This article first elaborates the professional openness and practical education connotation of higher vocational English in the new era, and then discusses effective strategies to improve the professional openness and practicality of higher vocational English in the new era, and puts forward personal opinions.

Keywords: Higher Vocational Education; English Education; Professionalism; Openness; Practicality

1. INTRODUCTION

In the background education environment of the new era, my country's higher vocational education has undergone a series of reforms and has clearly defined the development direction for the country to train professional and technical talents with higher professional knowledge and practical ability. Therefore, during this period, English is a comprehensive and practical subject. For professional courses, teachers must improve the professional knowledge and subject ability of college students, and at the same time build a scientific and reasonable exchange and interaction platform for them, pay attention to the improvement of their practical ability so that students can gradually use medical knowledge in activities and achieve the effect of applying what they have learned. Based on this, how to highlight the professionalism, openness and practicality of higher vocational English courses in teaching is a topic that must be considered in depth.

2. THE PROFESSIONAL, OPEN AND PRACTICAL EDUCATIONAL CONNOTATION OF ENGLISH TEACHING IN HIGHER VOCATIONAL COLLEGES IN THE NEW ERA

2.1 Occupational characteristics are the core of English education

At present, vocational education in higher vocational English teaching has been listed as one of the goals of talent training. He has gradually become the core content in English teaching. Compared with other higher education, higher vocational education will face some targeted units and undertakings. For professional training, teachers should reasonably guide students to have a thorough understanding of the background of the major they are studying, and continue to accumulate knowledge and experience to improve their comprehensive level of English. For example, nursing students in higher

vocational colleges should offer medical English when they are learning English, and tourism students should be tourism English. Teachers must continue to innovate teaching methods, use multimedia aids scientifically, implement teaching models such as group cooperation, context, and layering, and help students understand more culture. For example, if the phrase Heis wearing to hats is directly translated, it is two hats, which is obviously not appropriate enough. It can be transformed into the meaning of taking multiple jobs or being busy with work. It can also be seen here that the learning of English cannot only be one-sided, but needs to be based on the intercultural language communication skills of college students and continue to accumulate vocabulary and knowledge in the workplace.

2.2 Openness is the focus of teaching

The professional feature of higher vocational English is mainly openness. Nowadays, the application and popularization of information technology has increased the demand for English professionals in various industries. Therefore, the daily English teaching of higher vocational teachers needs to consider openness. Further change the traditional education model, scientifically use campus network, campus official account, WeChat, QQ and other learning platforms to build a broader teaching environment for students. At the same time, the classroom uses methods such as performance communication and games to highlight the concept of taking students as the body and create a relaxed and happy atmosphere for them. In terms of teaching content, teachers should also combine theoretical knowledge and practical activities to connect students' work in mathematics majors.

2.3 Practical characteristics are the basis of teaching

In addition to the vocational and open characteristics, higher vocational English also has strong practical characteristics, so practice has become an important and difficult topic in education. It is the foundation for the future development of students, and teachers' English practice ability for higher vocational college students Cultivating them can help them better learn and apply knowledge and skills, which will promote students' future experience and ability at work, as well as their competitiveness [1].

3. EFFECTIVE STRATEGIES FOR IMPROVING THE PROFESSIONALISM, OPENNESS AND PRACTICALITY OF ENGLISH EDUCATION IN HIGHER VOCATIONAL EDUCATION

3.1 Innovative ideas of teachers to improve their own teaching level

In the environment of the new education reform, teachers in higher vocational schools must change their own ideas

to comprehensively cultivate students' English professional quality, and constantly improve their self-requirements to actively participate in some training and education organized by the school to improve their own teaching level. The specific aspects should be changed from the ideological point of view, recognize the importance of English as a major, and then explore new teaching paths, to be able to fully grasp the English content required by the current popular positions, so as to lay a good foundation for teaching. Higher vocational colleges should also strengthen ties and cooperation with other schools to learn from and promote the improvement of English education. Teachers should work together to discuss and exchange the personal teaching qualities of higher vocational English educators, and find shortcomings in time. Improve it. For example, higher vocational schools design relevant compulsory English courses based on current accounting or marketing positions, discuss relevant course knowledge and teaching materials, and then conduct a comprehensive analysis based on the actual situation of the market position and the students' learning, and then formulate a more scientific English vocational teaching Mode, which can further promote the improvement of students' English proficiency.

3.2 Keep the teaching platform open

Under the background of the continuous development and popularization of the Internet, higher vocational English teaching can already use some of the resources on the Internet and the corresponding information auxiliary equipment. Teachers need to consider from an open perspective in teaching to build a comprehensive communication and interaction network platform for students. Stimulate their active learning and participation. For example, teachers use cloud classes or other teaching platforms on the Internet to allow students to register accounts, build class groups, and publish some educational resources from them. Students can obtain knowledge and organize various resources from them. Teachers from different colleges can publish teaching on it. Resources are shared, and at the same time, some excellent learning official accounts and software are pushed for students to enrich the English learning of vocational students. At the same time, teachers should also regard students as the main body in the classroom, and build a broader space for performance and communication for them. By integrating various educational channels and methods, plus some advanced auxiliary equipment software, this can be achieved. Let students feel the richness and interest of English learning, broaden their horizons and enhance the ability of English language

application expression and subject quality [2].

3.3 Scientifically carry out school-enterprise cooperation to improve students' practical ability

In addition to the measures mentioned above, if the current English education environment of higher vocational schools wants to improve the practical English application ability and level of higher vocational students, teachers should also consider carrying out various teaching activities so that students can continue to accumulate. Exercise and acquire a wealth of knowledge from life to fundamentally improve English application and communication skills. At the same time, higher vocational teachers and other colleges and universities and enterprises have strengthened cooperation. For example, marketing schools have established cooperative relations with some enterprises. When students participate in practical activities, they can experience it in the enterprise, and teachers can learn from it. Guidance and advice will help improve students' filial piety in English learning. This kind of practical activities should be fully considered, and it needs to be carried out twice a year or more. At the same time, the company should send people with work experience to assist, and provide students with a full range of space to improve their English proficiency, so as to give full play to the advantages of higher vocational English education[3].

4.CONCLUSION

In summary, the importance of higher vocational English teaching in the context of the new education reform is self-evident. As teachers, they should also fully consider the professional openness and practicality of teaching, and fully link these three to optimize teaching Contents and methods, seek new teaching methods, and build a relaxed and pleasant learning environment for students, improve the quality of teaching, but also cultivate students' all-round development.

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Research On Inheritance and Expansion of Ice and Snow Sports Culture

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Abstract: In the process of sports development, a special sport with regional seasonality and nationality emerged, namely ice and snow sports. During the long-term development of ice and snow sports, a unique culture has gradually formed. It is the ice and snow sports culture. This article is the author's brief discussion on the historical development process of ice and snow culture and the inheritance and development process of ice and snow sports culture. Propose certain strategies to promote the vigorous development of the ice and snow sports industry. I hope to provide some reference and help for the inheritance and expansion of ice and snow sports culture.
Keywords: Ice And Snow; Sports Culture; Inheritance; Development

1. INTRODUCTION

Ice and snow sports is a unique regional and seasonal sports and cultural resource in the north. Although ice and snow sports are regional, they have affected the world. Therefore, ice and snow culture is a global regional ecological culture. Narrowly speaking, ice and snow culture. Broadly speaking, in the natural environment of ice and snow, humans obtain spiritual and material production capacity through social practice and in the process, and create spiritual and material wealth based on ice and snow, such as Speaking of clothing, sports, architecture, transportation, art, folklore, tourism, economy and trade and other aspects, in a narrow sense, it refers to spiritual wealth such as art, sports, literature, tourism, and technology. This article is through in-depth research on various aspects of ice and snow culture, expounding the economic and social values and humanities and social science values that ice and snow culture brings to the development of modern society, hoping to attract the attention and participation of the whole people, promote the essence of ice and snow culture, and make ice and snow culture continuous Innovation and long-term development.

2. THE HISTORICAL PROCESS OF THE DEVELOPMENT OF ICE AND SNOW CULTURE

2.1 Natural generation stage

Regarding the origin of the ice and snow culture, Chinese archaeologists used the rock paintings of human skiing attitudes found in the Altay region of Xinjiang 12, 000 years ago. And the Guinness World Headquarters officially confirmed China as the birthplace of human skiing culture, which declared China's historical position in the world's ice and snow culture.

2.2 Application development stage

Our country has a vast territory. Due to the influence of

geographical location and climate, most of the time in northern China is in the cold weather of snow and ice for most of the year. People living in the north have gradually fumbled in the long process of social development in order to live and live. Learn the production methods and living customs that are compatible with the ice and snow environment [1]. Most of them are developed based on people's basic living needs and production needs, such as fishing and hunting in winter, logging and other production methods, as well as making full use of horses and dogs to pull rakes and making the most suitable means of transportation in the snow. Lifestyle, this is the application development stage of ice and snow culture.

2.2.1 Independent activity stage

In addition, people in cold regions, apart from production and life, in order to enrich their own life and spiritual and cultural pursuits, they create artistic and cultural forms such as ice lanterns, ice sculptures, ice and snow dances, which are also an important part of people's material life. Let Bingxue enrich people's spiritual life with a unique art form.

2.2.3 The stage of universal participation

With the rapid development of society, ice and snow sports have also become popular among the people, and the competitive level of ice and snow sports has been continuously improved. People have a deeper understanding of this new way of sports during the process of participating in ice and snow sports. From the original stage of competitive sports to the current stage of universal participation, people living in different regions have built modern ski resorts and skating rinks. People in the ice and snow areas have also developed diversified ice and snow tourism based on the local characteristics of ice and snow. To participate in the project, more people participate. Through ice and snow sports to increase people's awareness of participating in ice and snow sports, it further promotes the formation of the ice and snow industry, and at the same time brings new boost to the local economic development. This is also the ice and snow culture. The stage of universal participation.

3. INHERITANCE AND DEVELOPMENT OF ICE AND SNOW SPORTS CULTURE

3.1 Inheritance of ice and snow sports culture

Ice and snow sports culture originates from the special folk culture of living in ice and snow areas, and it is also a custom gradually formed by social groups in ice and snow areas in the long-term production and life practice. This custom and custom has been passed on from generation to generation, and finally formed a special folk culture ice and snow sports. Culture also belongs to this

category. Due to the long winter in the north and the relatively cold and dry climate, many places cannot carry out suitable agricultural production. People have created a variety of sports for various purposes. These sports include Strong entertainment and practicality, so from this perspective, ice and snow sports have a deep mass foundation. With the continuous development of the times, ice and snow sports are also developing in the direction of universality and entertainment. The formation of culture is also the result of cultural integration of various nationalities [2]. The development and changes of human life needs determine the direction of industrial structure adjustment and also affect the economic growth rate. However, culture is one of the important factors in economic development. The uninterrupted development and survival of culture to the modern age is an important role in cultural inheritance. We must have a deep understanding of the inheritance of ice and snow culture. This is the final result of the organic integration of various ethnic cultures, which is rich in diversity and interaction. sex.

Regarding the main form of inheritance of ice and snow sports culture, we cannot deny that education is an important way. Ice and snow sports education promotes the continuous improvement of students' physical health. Students actively participate in ice and snow sports in their spare time. It can enrich one's own knowledge of ice and snow culture, keep fit, improve one's own psychological quality, and strengthen students' ability to adapt to future life [3]. Therefore, ice and snow sports are of great significance to the improvement of students' physical and mental quality and the cultivation of social adaptability. In the development of ice and snow sports education, we should not only pay attention to the ice and snow sports skills of students, but also start from a cultural perspective to understand and understand the concept of ice and snow sports education at a deeper level, so as to effectively inherit the ice and snow sports culture.

3.2 The inheritance of ice and snow sports culture should pay attention to the cultivation of personality

Personality is the soul of human beings in the process of life and growth. The development of personality is the gradual development of cultural adaptation, and it refers to the spiritual quality of people. For the cultural heritage of ice and snow sports, we must shape a sound personality sports in the education process [4]. Therefore, in the teaching of ice and snow sports, we must pay attention to the education of students' physical fitness on the one hand, and on the other hand, we must emphasize the quality education of ice and snow sports culture and the accumulation of knowledge, as well as the cultivation of the internal quality of the ice and snow sports culture.[5]. Ice and snow sports are humans' fierce competition in the harsh environment of ice and snow. It can effectively

cultivate students' tenacious fighting spirit, establish students' good qualities of flexibility, tact, courage, self-confidence, optimism and strength, and enable teachers and students to love each other and help each other at the same time. Students can be cultivated to treat each other with honesty, sincere and kindness, solidarity, cooperation, tolerance and understanding. Through ice and snow sports education, students can strengthen their self-discipline and self-control, improve their team awareness and their own quality, and make students have the courage to overcome difficulties and overcome difficulties in their study and life. Self, so that students can form a positive and healthy mental state through the training of ice and snow education, and sublimate the personality of the students.

4.CONCLUSION

In summary, the ice and snow culture, as a unique regional culture in the north of human society, has a profound impact on global humanity. Through in-depth analysis and exploration of the historical development process of ice and snow sports culture, we clearly stated that it is very important for the inheritance and development of ice and snow culture. Through investigation, we can understand that ice and snow sports education should speed up the pace and deepen reforms., Changing traditional concepts, effectively inheriting the culture of ice and snow sports education.

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On The Ideological and Political Education Mode of Vocational College Students Under the Background of Modern Apprenticeship System

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Abstract: In recent years, modern apprenticeship is an important reform direction of my country's higher vocational education. The reform of talents cultivated by this model includes not only the reform of professional teaching and professional skills, but also the reform of ideological and political education for vocational students. With the advent of the new era, the reform of the ideological and political education of higher vocational students should be carried out from opening up, systematization, etc., so as to realize the education reform of modern apprentices and cultivate the reform of ideological and political education of higher vocational students. However, with the implementation of the apprenticeship education model, the ideological and political education of higher vocational students makes education facing new opportunities and huge challenges. The modern apprenticeship affects the ideological and political education of vocational students. This article analyzes the influencing conditions and the main existing factors to research and propose the reform direction of ideological and political education of vocational students and related discussions and discussions on the education of vocational students. Practice and implementation work has been analyzed.

Keywords: Modern Apprentice; Ideological and Political Education Of Vocational Students; Analysis

1. INTRODUCTION

Higher vocational colleges play an important role in the future development of the country, because they undertake the importance and function of training applied and skilled talents. With the continuous progress and deepening of my country's reforms, teaching in the training process of higher vocational talents Wait for the thorny issues and the bad side to "surface" slowly. However, the modern apprenticeship system is a talent training model that closely combines higher vocational education and market demand, including on-the-job internships. It better solves the disconnection between theoretical knowledge and practical work in the implementation of higher vocational education. problem [1]. According to the unified regulations of the Ministry of Education, universities and educators are actively exploring the promotion and implementation of modern apprenticeship. Ideological and political courses are the main body in higher vocational colleges, and they are also effective ways and means to improve the ideological and political quality of students. In addition, higher vocational colleges implement the apprenticeship education model, which has

a great influence on ideological and political education, and brings huge opportunities and challenges to ideological and political education in higher vocational schools. Therefore, promote The implementation policy of apprenticeship has very important meaning and relationship. This article mainly introduces the basic concepts, characteristics, and significance of modern apprenticeship, and then summarizes the two current situations of apprenticeship for higher vocational ideological and political education. On the one hand, it is positive and the other is negative, which has two influences., In-depth discussion and analysis of the direction and requirements of the political education reform in the promotion of higher vocational ideology under the apprenticeship training talent model, further improvement, and implementation of the actual work of the ideological and political education of higher vocational students.

2. THE NECESSITY OF THE REFORM OF IDEOLOGICAL AND POLITICAL EDUCATION FOR HIGHER VOCATIONAL STUDENTS UNDER THE BACKGROUND OF MODERN APPRENTICESHIPS

In recent years, the educational environment has changed from the traditional closed to open. Under the background of modern apprenticeship, the environment of ideological and political education has also changed, from the previous single model to school, enterprise, and society. In addition, in the traditional higher vocational education model, students complete all teaching and operating tasks during school, practice in distributed positions, and accumulate credits to graduate. As the ideological and political education of students under this mode is mainly completed by counselors and educators in school, the ideological and political education of students in the last semester is basically in a state where no one cares about it. Under the background of modern apprenticeship, higher vocational students will be educated in different environments of school and post. They are often in the process of exchanging the identities of students and apprentices. Most of the opportunities for contact with society have increased significantly. The influence of higher vocational students increases, which promotes the exposure of international students to corporate culture. Interpersonal relationships are affected. Under the education model of the college, the only identity of the educated is the "student", and students switch back and forth between the school and the enterprise. The different management systems between schools and enterprises and the differences between positions and many other factors

will cause discomfort and role conversion of the educated. Appropriate and reasonable ideological and political education can alleviate the discomfort to the educated and the difficulty of role conversion.

3. STRATEGIES FOR THE REFORM OF IDEOLOGICAL AND POLITICAL EDUCATION OF HIGHER VOCATIONAL STUDENTS UNDER THE BACKGROUND OF MODERN APPRENTICESHIPS

Faced with the talent training model of modern apprenticeship, the talent training model has undergone tremendous changes. Therefore, both professional education and ideological and political education should keep pace with the times. First, update the concept of ideological and political education, and establish the concept of implementing school-enterprise cooperation in cultivating talents. Under the background of modern apprenticeship, the educated will switch between the school and the enterprise as a student and an apprentice., The teaching space is expanded and dispersed, giving the traditional single school ideological and political education mode to update the ideological and political education concept. Through close cooperation between higher vocational colleges and enterprises, a unified and scientific management system has been established. This system not only focuses on the training of the professional qualities and skills of the educated, but should also be reflected in the ideological and political education of the educated, so as to realize the connection between the school-enterprise education and management of the students, and avoid the school There are defects and deficiencies in the ideological and political education of intern students. In addition, in the context of apprenticeship, ideological and political education for students is a difficult and complicated process. Schools and enterprises are inseparable from ideological and political education, and they are both indispensable parts. Therefore, schools and enterprises need to establish a team that focuses on Ideological and political theory educators, a team of ideological and political education of educators led by majors. In addition, the combination of reality and ideology integrates ideological and political education into solving practical problems. In the context of modern apprenticeships, higher vocational students are faced with a simple campus environment and a tight workplace, as well as the educational themes of greater differences between the identities of students and apprentices, and the differences between teachers and masters. There are a lot of confusion and helplessness. This is the best time to carry out ideological and political education. It will often achieve a multiplier effect and promote the implementation of ideological and political education reform strategies for higher vocational students into real

life.

4.CONCLUSION

With the emergence and development of modern apprenticeships, ideological and political education courses for students in higher vocational schools usually have many complex, systematic and other characteristics. In the process of ideological and political education in higher vocational schools, content, time and space Earth-shaking changes have taken place. Therefore, this means that it has a relatively large impact on the work of higher vocational schools. Under the changes of the new era and the background of cultivating new talents, the previous traditional single education model obviously lags behind the needs of the new era. Therefore, educators must keep pace with the times, follow the pace of the times, and take a comprehensive approach. Implement ideological and political education for students, and cultivate high-quality talents for the country, society, enterprises, and units. After analyzing the importance, necessity and characteristics of the ideological education of higher vocational students in the context of apprenticeship and apprenticeship, the article found that in the process of discussion, there are still many ideological education for higher vocational students under the background of apprenticeship. There are loopholes and immature factors. For each existing problem, I slowly explored to find a more appropriate and perfect solution strategy, and hoped to be able to inspire the innovation of the ideological and political education mode of students in higher vocational colleges. So as to improve the implementation of policies.

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Innovative, Practical, And In-Depth: Echoes of The Era of Applied Writing Research-- Academic Observation Report of the 15th Annual Conference of The International Society of Chinese Applied Writing

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Abstract: The 15th Symposium of the International Society for Chinese Applied Writing will be held in Chengdu, China on October 29-31, 2021. More than 100 universities from nearly 100 universities including the University of Hong Kong, University of Macau, Beijing Normal University, Shanghai University, Southwest University, etc. Famous scholars attended the conference and conducted research on the academic and teaching issues of applied writing in the context of the new era. This observation report summarizes and analyzes the academic characteristics and value of the results of this academic seminar from the three aspects of innovation, research and insight. Innovation is the life of academics, the unremitting pursuit of scholars, and one of the distinctive features of this conference. One is to consciously put the academic research of applied writing under the background of the new liberal arts, and to associate literature, linguistics, and linguistics with an open mind. Communication, history, management and artificial intelligence, etc., determine the connotation of applied writing under the blend of multidisciplinary knowledge and wisdom, and explore the quality and elements of innovation. The second is to capture life hotspots in time, incorporate applied writing research objects, and label new research materials with new ones. A batch of experimental and micro-research papers appeared at this conference, covering the techniques of applied writing style writing and applied writing teaching techniques. From the topic selection to the argumentation angle and the question discussion, the characteristics of research are reflected. A large number of high-quality papers on the academic issues of applied writing from the historical dimension appeared in this academic symposium, which embodies the spirit of searching, pursuing profoundness, and being able to return to the scene, purify the original meaning of the concept in the context of the original text, and restore the speculation in the traditional pedigree Original taste.

Keywords: Applied Writing Research; Innovation; Realistic Research; Seeking In-Depth

1.INTRODUCTION

After waiting for two Augusts from 2020 to 2021, the three layers of passion were finally released in the beautiful Chengdu of Tianfu. The 15th Annual Conference of the International Society of Applied Chinese Writing is a new milestone in the study of Chinese applied writing. Zoran Stand up. This annual meeting is not only in Tianfuyu, but also in the boundless cloud, online and offline, a gathering of hundreds of people, thousands of onlookers, and a different face. The conference continued the consistent style of the society, shared enthusiasm, dedicated academics, keynote speeches, conference discussions, and gathered more than a hundred people on the cloud. The topic of "the era function and value of applied writing theory and teaching practice" was solo in Tianfu Dadi. The meaningful string tone of the song has echoed the era of applied writing research.

We experienced the grand meeting together, meeting old friends, gathering new people, meeting friends with literature, advancing passion, dedicated academic exchanges, delayed meals, endless lunch breaks, dreams of applied writing research, seizing every minute of communication and discussion, scene At the moment, the sound is still in my ears. The review is superfluous. I only pick three keywords: new, real, and deep, and do a synopsis scan.

new. There are a lot of new things in this conference, new faces, new topics, new ideas, everyone can feel it.

Innovation is the life of academics and the unremitting pursuit of scholars. The progress of the subject has benefited from academic innovation. As a discipline, applied writing is in urgent need of continuous innovation no matter from the historical perspective, from the current situation and future expectations, and to build a high-level academic with the results of innovation. The outcome of this conference is a review of the academic research results of the subject over the past two years. The papers and speeches received at the conference collectively reflect the progress of the subject research. On the whole, scholars are full of enthusiasm for disciplines, reflecting a strong sense of innovation.

One is to consciously put the academic research of applied writing subject under the background of the new liberal

arts, with an open mind, associating literature, linguistics, communication, history, management, and artificial intelligence, etc., to determine under the integration of multidisciplinary knowledge and wisdom Apply the connotation of writing to explore the quality and elements of innovation. The essays of Feng Ruchang, Zhou Jinsheng, Chen Huiying, Zhu Shengguo, Zhang Zhihua, Ma Qiusui directly used the new liberal arts as the topic to think about the new liberal arts quality of applied writing. Although several papers are based on teaching perspectives and theoretical speculation is subject to certain restrictions, the researcher's intentions can be seen. For them, the applied writing discipline and the new liberal arts orientation are consistent without obstacles. On the contrary, the comprehensiveness of writing directly corresponds to the connotation of the new liberal arts. In particular, Feng Ruchang integrated management theory in his thesis, and used the theory of "dynamic group" to unify the teaching of applied writing and the construction of new liberal arts, which is impressive.

Most scholars actively expand their horizons, borrowing methodological research applied writing from an interdisciplinary perspective. At the 2016 Chongqing Conference, I solemnly raised methodological issues with the topic of "Problems, Academic Principles, and Methods". Whatever concepts there are, there will be academic research. The concepts are wrong and backward, and your academic research is also It will be wrong, backward, and worthless, and the innovation of ideas often starts with a breakthrough in methodology, so methodology is extremely important. The study of humanities theory and the emergence of new ideas are all the results of methodological updates. At each meeting, I pay attention to what new words appear in the research of scholars, because it is not just a linguistic vocabulary, but also means the emergence of a new research idea, a new academic paradigm or way of academic thinking. The establishment. Although there are not many achievements in this regard, and they have not yet reached perfection, when we see the "empowerment", "post-truth", "application field", "power group", "learning task group", "flower character", and "discourse" "Big writing" and other terms, you will definitely have your eyes widened and feel unfamiliar. They cut into applied writing research from the perspectives of communication, management, television technology, system theory, etc., and newcomers' eyes and ears. In the same way, when you see the expression of "mythical spirit and applied writing", you will also encounter inertia of thinking, which stimulates thinking. At first glance at the topic, you may think that the scale is larger. What is the internal relationship between the two? Mythology is the product of low productivity and strong growth of the human mind. The imagination in mythology is the result of the dislocation of the two. Mythological imagination is not an artistic imagination, because it is not a deliberate imagination, but a belief that the world is what it is. Therefore, literature is always reluctant to use it as the source of literature. What about applied writing? The logic of the paper by Rao Xiaoming and others is that the world outlook values after

the article are extremely important, and what is presented is the Chinese national spirit. Then why not just talk about applied writing and the spirit of Chinese culture? After all, the spirit of myth is a concrete concept, and many application writers are not directly related to mythology, and any Chinese writer is naturally related to Chinese culture. Although the inner logic of mythological spirit and applied writing can be revealed more closely and fully, finding the source in the Chinese spirit, creating a habitual thinking block, and stimulating people's thinking is also an innovative way of thinking.

The second is to capture life hotspots in time, incorporate applied writing research objects, and label new research materials with new ones. A new crown epidemic has severely dragged the world's economic footsteps, covered the world of human life with a heavy haze, and at the same time stimulated many functions of application writing. Scholars focused on the use of style, information expression, new media dissemination, and general management of official documents for epidemic prevention and did detailed research. In particular, scholars from Hong Kong and Macau have done a serious academic review of the application writing related to the epidemic in the Greater Bay Area, and they have a lot of insights. Another prominent phenomenon is the focus on the study of ideological and political courses. Li Hongxiu's thesis is the most interesting here. He is classified according to styles and integrates ideological and political, party and government documents are integrated into Xi new era of socialism with Chinese characteristics; affairs documents are integrated into socialism Core values; the etiquette documents are integrated into the excellent Chinese traditional culture; the special documents are integrated into the education of the constitution and the rule of law; practical exercises are integrated into the education of professional ideals and professional ethics. At the same time, the corresponding learning methods are given, and the characteristics of the style and writing practice are grasped, and the refinement is very counterpoint. Of course, human education, including ideological and political education, is holographic. Whether it should be so distinct and become an overly precise correspondence can be further thought and discussed.

In addition, there are "Summary of Examples of Practical Languages in Modern Chinese Literary Works" by Li Xiangjun, which counts letters, diaries, speech drafts, biographies, notices, notices, wills, prefaces, news, advertisements, and announcements in modern literary works. Practical articles such as, announcements, etc., and the topic selection angle has a certain novelty. Of course, the article is mainly to enumerate, it is only a description of the phenomenon, and it has not been able to analyze in depth what is the connection between these practical articles and literature in creation? Does it exist independently as a practical text, or as a certain element of literature? It should be noted that literature is a kind of aesthetic field. Once the literary genre is generated, non-literary becomes literature. The conclusion is that: understanding practical writing is good for creation. Is this

a special meaning? Or is it like a general requirement for creators to be "familiar with life"? After solving these problems, we have opened up a new research channel.

Innovation means to grasp the "problem" in practice, and to grasp the problem, you will find the object of theoretical activity. Marx has a famous saying, "The problem is the voice of the times that is open, unscrupulous, and dominates all individuals." In the context of the new liberal arts, there are many problems and many outlets. Be good at discovering and thinking about problems. Adhering to problem orientation is the driving force of theoretical innovation. When a problem is discovered and raised, a topic is found; when a problem is faced and answered, a theoretical result is produced. That is, new ones are constantly being produced.

2. INVESTIGATE.

It is a distinctive feature of this academic conference. Applied writing is practical writing. Applied writing research is the exploration of the practical qualities of writing. Confucianism emphasizes understanding of things, and is a manifestation of the spirit of researching reality. Research is the basic quality of academic research. A batch of experimental and micro-research papers appeared at this conference, covering the techniques of applied writing style writing and applied writing teaching techniques. Or disseminate a slogan to the circle of friends, or typhoon report writing, or epidemic prevention notice writing, or complaint letter, or self-introduction writing, etc. Method and specific teaching items of high school Chinese writing based on the learning task group, etc., micro-topics, practicality, from reality to reality, to be good at reality. The teaching research category is represented by Li Xiaohua's thematic writing teaching process assessment research, and specific descriptions of his own teaching examples. All aspects are listed. The effect of MLM-like teaching is obvious. Some generalizations can be seen to strive to seek the truth from the technique. Of course, limited by individual cases, the main value lies in reality. The micro-applied stylistic research is eye-catching by scholars from Hong Kong and Macau. They use empirical research, use the method of dissecting sparrows, and talk about human affection on half-petal flowers, and the articles are very old. Generally speaking, academic topic selection mainly advocates meso-level topics. The macro is too large and the micro is too small. However, it is very rare for scholars from Hong Kong and Macau to do so meticulously and fully embody the academic spirit. In a sense, academic research in the Mainland urgently needs to integrate this research spirit and attitude. The society shoulders the important task of discipline construction. It should promote the research on the macro and meso-level issues of the discipline, and also encourage the practice and refinement of academic micro-issues from a practical perspective, so as to form an important research foundation of the discipline. At the same time, macro and meso-level issues also need to be addressed. As everyone knows, Chinese culture lacks empirical spirit. Science was originally ranked first among the two banners of the May 4th Movement. Unfortunately, the flag of science was quickly replaced with the flag of

passion. As a result, the empirical spirit and scientific method have become unprecedented. Big problem solved. Later, with the expansion of international exchanges in the field of natural sciences, nature-based scientific thinking was gradually introduced, but in the fields of social sciences and humanities, it became complicated and subtle, especially in the academic pursuit of quick success and instant benefits. The lack of evidence is vague.

3. SEEK DEPTH.

Seeking depth is the pursuit of academic research and an important element of new development. Everyone should be aware that there are many 10,000-character essays in this conference. Although the length and depth of the article cannot be equated, the full development and thorough discussion of a topic needs space support. The number of papers researched from the historical dimension is not only more than previous ones, but also the quality is praiseworthy. Professor Wan Qi's speculation about the literary mind and carving the dragon's original Taoism for essays or Taoism, Zhang Jiangyan's historical tracing of the concept of "applied essays", a textual research on Zhou Jianzhi's representative essays of the Song Dynasty, and the relationship between Yang Jingsheng's "The Analects" and applied writing Research, Tan Meiling and Xu Honggui's research on the changes of ancient and modern sacrificial essays, etc., are quite rigorous and persuasive in terms of document combing and point of view. It is one of the more important gains of this academic seminar. As far as this discipline is concerned, the most important feature of these papers is that they embody the spirit of searching, pursuing profoundness, being able to return to the scene, purify the original meaning of the concept in the context of the original text, and restore the original flavor of speculation in the traditional pedigree. In terms of discipline construction, I have repeatedly emphasized the various dimensions of research. The historical dimension is one of the important ones. There are mountains, rivers, seas and blue sky, and the world is extremely vast. In addition to the development and evolution of concepts, styles, and categories of applied writing in ancient times, there are also developments and evolutions in modern times, as well as the history of research itself, and so on. Some achievements have been made, but they are far from enough. Emphasis is placed on strengthening the dimensional research of the academic history of the subject, as well as the philosophical research, interdisciplinary research and ontological research of the subject. This is the need of the subject and the need of academic theory.

The discipline requires in-depth academic research on the subject. That is, as at present, the writing school has master's degree and doctoral degree, and it is no longer an individual university. With Tsinghua University's emphasis on writing courses, many key universities have liberated their minds for the discipline of writing. The question is whether there is a theoretical response to the subject of writing, and whether the subject's independent research objects, theoretical categories, and research methods can be supported. In this sense, in-depth

academic research is the only way.

Seeking depth is essentially the pursuit of academic theory. The depth of research must be reflected in the height of reason, precision, and the experience of staying on the perceptual level. It is impossible to have universal rational power. Argumentation is the basis and prerequisite of theoretical research activities, a manifestation of following academic laws, and a manifestation of theoretical researchers' self-confidence and calmness. The conclusions formed on the theoretical basis are vital, persuasive, infectious, and influential. We emphasize that academic theory is based on such considerations in each meeting. Chairman Hong's "Three Ways of Nature, Humanity and Humanities" in applied writing also lead the research direction of applied writing in-depth and profound. Among the many humanities and social sciences, writing is a promising subject that has worked hard but has not been perfected. A breakthrough in academic theory is necessary and full of meaning. Our generation may be embarrassed or painful in this status quo, but we are the people who created disciplines. It is an honor and a kind of worth.

Disciplinary construction is a long-term advance, and it is a project that always needs to be reinforced and improved. The achievements of an academic conference are limited, so you just need to add more. Now, we are facing a race in discipline construction. The new liberal arts has become a feature of the new era of discipline construction. The early construction of the applied writing discipline may be insufficient, but the new liberal arts fits the comprehensive and diverse characteristics of the writing discipline and outperforms any other disciplines. The subject commensurability of the subject can just take advantage of the wind to show its talents. The society should seize

the opportunity to mobilize the wisdom and passion of Chinese applied writing researchers at home and abroad, establish a vibrant academic community, focus on applied writing, make writing bigger, and work hard to build a scientifically broad applied writing discipline!

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Use The Socialist Core Value System to Guide the Ideological and Political Education of College Students

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Abstract: In the context of the new era, in order to achieve the great rejuvenation of the Chinese nation, it is necessary to thoroughly implement the core socialist values and integrate them into the ideological and political education of college students, so as to shape the healthy personality and positive values of college students. The concept promotes the simultaneous improvement of college students' collective ability and moral cultivation, and becomes a high-quality talent with "both morality and ability." In this article, I will take ideological and political education as the core starting point, and under the premise of fully considering the actual teaching and the background of the times, systematically expound the methods and ways of the core values of socialism to guide the ideological and political education of college students, and make a point for my country's education. Trivial contribution.

Keywords: Socialism; Core Values; College Students; Ideological And Political Education

1. INTRODUCTION

Today, our country has achieved world-renowned economic construction achievements, and its people's living standards and economic conditions have continued to improve. However, at the same time, as the economic system has been gradually improved, the guiding force of the economic market has become stronger, and everything is aligned with economic benefits. The social atmosphere is becoming more and more impetuous, coupled with the impact of the Internet's diverse environment, the influence of socialist core values is declining, and college students are also being impacted by more and more unhealthy cultures. Under such circumstances, only by injecting the core values of socialism into ideological and political education can we give more educational value to teaching activities, thereby continuously raising the upper limit of education and building an unbreakable ideological network defense line for college students.

2. THE SUPERIORITY OF THE CORE VALUES OF SOCIALISM IN GUIDING THE IDEOLOGICAL AND POLITICAL EDUCATION OF COLLEGE STUDENTS

2.1 Help college students to form lofty beliefs

In modern society, on the one hand, the economic and market-oriented forces have become stronger, making the social atmosphere impetuous; on the other hand, the Internet application system is gradually expanding, and the diversified network environment not only provides a channel for the dissemination of useful information, but also provides for bad information. A wider spread range.

As a social creature, when people use their words and deeds to affect the surrounding environment, they will inevitably be assimilated and affected by the surrounding environment. Especially for college students, although they are basically adults in age, they have been living all the time. In this "ivory tower" on campus, the lack of social wind and rain polishes, the ability to distinguish is poor, and it is more susceptible to interference from the external environment. In the current social environment, the growth of college students' thinking is facing more daunting challenges [1].

After the core values of socialism have been integrated into the ideological and political education of colleges and universities, teaching activities have been endowed with higher educational value. Relying on the correct value orientation, they can give the college students the strongest heartbeat, and promote the college students to gradually form a lofty Faith, combining the "personal dream" with the "Chinese dream" can make a greater contribution to the prosperity of the country in the process of realizing the value of life

2.2 Contribute to enriching the connotation of ideological and political education

For ideological and political education in colleges and universities, the guidance of socialist core values has many teaching advantages. First of all, the pure theoretical content is streamlined and has extremely high educational value, but it is easy to cause teaching activities to fall into a boring and boring situation, which cannot effectively stimulate students' enthusiasm for learning. Naturally, the teaching effect will be greatly reduced, especially For the ideological and political theory class, the teaching content is obscure and difficult to understand, and its own interesting factors are relatively scarce. According to the teaching content to integrate the corresponding socialist core value materials, it can give it more story and interest, and promote the teaching activities to be fascinating, To mobilize students' learning enthusiasm to the greatest extent [2].

Secondly, the socialist core value education and the ideological and political theory courses complement each other and complement each other, which can further deepen the teaching effect. The core value of socialism is based on social reality and belongs to "practice"; while the ideological and political of colleges and universities are based on logical thinking and tend to be "theory." In pure theoretical teaching, students are required to have higher abstract thinking ability, and the difficulty of teaching naturally increases linearly, and it is difficult to achieve

better educational effects. After incorporating the core values of socialism in the ideological and political theory courses, you can combine "theory" with "practice", allowing students to reflect on "practice" under the guidance of "theory", and learn "theory" under the evidence of "practice".

3. EFFECTIVE MEASURES FOR THE CORE VALUES OF SOCIALISM TO GUIDE IDEOLOGICAL AND POLITICAL EDUCATION IN COLLEGES AND UNIVERSITIES

3.1 Persist in ideological and political education of college students with the latest ideological achievements of the Communist Party of China

Our country is currently and will be in the primary stage of socialist construction for a long time. The Marxist theoretical knowledge system is an important cornerstone of the establishment of the Chinese People's Communist Party, and it is also the fundamental idea of our party's nation-building. The core socialist values are not only the embodiment of the localization of Marxist theoretical knowledge system in China, but also the latest ideological and theoretical achievement of the Chinese Communist Party. It has the characteristics of contemporary China and is in line with China's national conditions and development history. The core socialist values are added to the ideology of colleges and universities. The political education system can effectively deepen the content of ideological and political education in colleges and universities, and play an important role in the ideological and moral education of college students. Relying on the theoretical system of socialist core values, it can guide college students to firmly build the will of socialist modernization and strengthen their own ideological and moral realm. In the new historical period, the "Chinese Dream" in the hearts of hundreds of millions of Chinese people is the main body of the core socialist values, and it is also the goal of the Chinese Communist Party's unremitting efforts [4].

3.2 Take the core values of socialism as the main body to build a comprehensive ideological and political education system in colleges and universities that is in line with the development of the times

Under the current background of the times, the ideological and political education system of colleges and universities has ushered in innovation and development. In order to face the development of society, the changes of the times and the new needs of ideological and political education in colleges and universities, the ideological and political education of colleges and universities should take the core

values of socialism as the main component. Part, and therefore as the basis for comprehensively constructing an ideological and political education system under the background of the new era, and conducting innovative research on ideological and political education in colleges and universities. In the research process of socialist core values and the innovation of ideological and political education in colleges and universities, it is an important attempt to put the socialist core values as the leader of the ideological and political education system in colleges and universities. It plays an important role in pointing out the direction of ideological and political education in colleges and universities [5].

4. CONCLUSION

In general, guiding the ideological and political education of college students through socialist core values is not only the general trend of the rise of China, but also the inherent demand for improving the quality of education. The core values of socialism endure for a long time. Even in today's modernization, they have an indelible and important role and are worthy of everyone's understanding and reflection. As a pool of high-quality talents, college students are the core talents that will support my country's completion of socialist modernization in the future. It is more necessary to adhere to the core values of socialism, so as to organically combine individual and collective values to realize the "individual dream" and "Chinese dream." The unification of the university allows college students to make greater contributions to the development of the country while realizing the value of life.

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Innovative Research on The Deep Integration Mechanism of Production and Education in Vocational Education

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Abstract: In the context of the educational reform era, the most effective way for vocational colleges to achieve new educational breakthroughs is to deepen the integration of production and education, further highlight the professional orientation of school-enterprise cooperative education, and cultivate student abilities according to the needs of enterprises. So as to effectively improve the employment competitiveness of students. In the whole article, the integration of industry and education will be the core starting point. Under the premise of fully considering the actual situation of teaching and the essential needs of students, the important role of integration of industry and education for vocational colleges will be systematically explained, and the in-depth exploration will further promote school-enterprise Cooperate to promote effective measures to improve the teaching quality of vocational colleges, so as to create a better teaching environment for students, bring them a better teaching experience, and help students achieve the maximum improvement of their ability and literacy.

Keywords: Vocational Education; School-Enterprise Cooperation; Integration Of Production And Education

1. INTRODUCTION

In the current era, due to the vigorous development of education, while providing a large number of high-quality talents for social development, but also due to the rapid expansion of educational institutions, the annual supply of high-quality talents to the society exceeds the standard, resulting in the talent market supply exceeding the demand. The problem of enrollment is increasing, and the employment situation is getting more severe. For vocational colleges, it does not occupy an advantage in the competition for academic qualifications. In teaching activities, the teaching content is out of touch with the development of the times, and theoretical teaching and practical teaching are separated. It has further weakened the career orientation of vocational colleges, leading to a further decline in the market competitiveness of vocational college students, deepening the integration of production and education, and becoming the only choice for the development of vocational colleges.

2. THE IMPORTANT SIGNIFICANCE OF THE INTEGRATION OF PRODUCTION AND EDUCATION IN THE TEACHING ACTIVITIES OF VOCATIONAL COLLEGES

2.1 The application of the integration of production and education in the teaching activities of vocational colleges is an inevitable requirement of the progress of the times

In the traditional teaching mode of vocational colleges, on the one hand, due to the simple development of theoretical teaching and easy quantitative evaluation, on the other hand, due to the influence of the test-oriented education concept, the proportion of theoretical teaching continues to increase, and the proportion of practical teaching continues to decrease, and finally The education pattern of "emphasizing theory and neglecting practice" has gradually formed. The lack of practical teaching will be directly reflected in the development of students' ability, resulting in students' weak practical ability. Although they have a very deep theoretical foundation, they cannot be effectively transformed into It is impossible to use its own ability to solve problems in actual practice. By deepening school-enterprise cooperation and realizing the docking between vocational colleges and corporate institutions, corporate institutions can provide sufficient practical exercise activities to continuously improve students' practical ability, and in the process, students can also accumulate a lot of work Experience, have a deeper understanding of the industry in the future, and be able to better plan the future development path [1].

2.2 The application of the integration of production and education in the teaching activities of vocational colleges is a necessary condition for social development

In today's era, the talent market is facing two major problems. On the one hand, the talents provided by vocational colleges to the society far exceed the needs of social development, causing students to face the dilemma of "difficult employment". On the other hand, enterprises have Facing the dilemma of "difficulty in recruiting", although the talent pool is large, most of them have the problem of ability mismatch. In the final analysis, the fundamental reason lies in the defects of the teaching mode. Over time, there has been a fundamental contradiction between the teaching mode of vocational colleges and social development, a serious mismatch has appeared, and the students trained are not in line with social development. It is necessary to implement a school-enterprise cooperative teaching model to enable students' ability training to meet the actual needs of enterprises to the greatest extent, which can promote stable employment of students and ensure the healthy development of enterprises [2].

3. EFFECTIVE MEASURES FOR VOCATIONAL COLLEGES TO CONSTRUCT A TRAINING MODEL OF INTEGRATION OF PRODUCTION AND EDUCATION

3.1 Strengthen school-enterprise exchanges and optimize

teaching content

As an economic entity, under the influence of economic market regulation, an enterprise must promptly update and introduce the most cutting-edge work concepts and working methods, so that it can always maintain its vigorous vitality and not be eliminated by the tide of the times. In this case, by strengthening school-enterprise exchanges, teaching content can be effectively optimized, outdated content can be eliminated in a timely manner, cutting-edge knowledge can be introduced, and the most valuable educational resources can be provided to students. In the specific operation process, on the one hand, teachers can be organized to visit and study in corporate institutions to understand the status quo and work needs of the company; on the other hand, outstanding employees can be invited to participate in the design of teaching materials, with the help of their rich industry experience and keen market vision, Guarantee the advanced and cutting-edge nature of teaching content to the greatest extent [3].

3.2 Strengthen school-enterprise cooperation and carry out internship activities

Vocational colleges can organize students to carry out internship activities in corporate institutions by establishing deeper cooperative relations with corporate institutions, allowing students to base themselves on the real working environment and understand the true nature of the work. On the one hand, students can reflect on practical activities. Theoretical knowledge, so as to transform what they have learned into their own abilities, not only can effectively improve students' perception of textbook knowledge, but also significantly enhance students' ability to use knowledge and content flexibly; on the other hand, it can also allow students to accumulate some work experience, Have a general understanding of the future work situation and career development, so as to expand students' horizons, increase students' knowledge, and help students design more reasonable and accurate career plans.

In addition, the foundation of cooperation lies in mutual benefit. If school-enterprise cooperation is to be carried out in a long-term and stable manner, it is not possible to let the enterprise only bear the responsibility, but also to allow the enterprise to obtain tangible benefits. In response to this, corporate organizations can regularly send outstanding employees to vocational colleges for further study, so as to continuously improve the competence of employees and make greater contributions to the development of the company.

3.3 Establish a school-enterprise integrated talent transmission channel

At the moment, the problem of talent involution is prominent. While some students are facing the dilemma of "graduation" or "unemployment", enterprises also have the problem of "recruitment difficulties". Although there are many employees, most of their abilities do not match

job needs. Through the establishment of a school-enterprise integrated talent transmission channel, the company sends recruitment letters to some students who have performed well in internships. On the one hand, it can stimulate employees' sense of competition and enable them to participate more actively in internship activities. On the other hand, it is also helpful. The company recruits employees who match the job needs, and ultimately forms a harmonious situation of mutual benefit. In addition, as an educational institution, vocational colleges can only establish a good reputation by helping more students get to work, and then recruit more outstanding students, cultivate more outstanding talents, and then embark on a healthy development path. [4].

4.CONCLUSION

In general, the further deepening of the integration of production and education in vocational colleges is not only an inevitable trend of education reform, but also an inevitable requirement of social progress, and it is also an essential requirement for the improvement of students' ability. For vocational colleges, it can effectively expand teaching results., To establish a good teaching reputation; for students, it can effectively enhance the competitiveness of the industry and have a higher career starting point; for enterprises, it can target the training of required talents, alleviating the "difficulties in employment" and "difficulties in recruiting" Dilemma: For society, it can effectively alleviate social contradictions, increase employment rates, and accelerate development. It is a good measure for multi-party win-win and must be vigorously implemented.

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Reflections On the Cultivation Mechanism of Student Cadres in Private Colleges and Universities Under the Mode of Running Schools in One School and Two Districts

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Abstract: Since the expansion of the enrollment of higher education institutions in my country in the late 1990s, the scale of colleges and universities has expanded year by year. The school-running model of one school and two districts has appeared in front of the world, and the school-running model of one school and two districts has not only increased the scale of colleges and universities, It has also improved the comprehensive strength of universities and colleges, but at the same time it has also put forward new challenges for the various management mechanisms, campus construction and resource allocation of universities. The student cadres of private colleges and universities are an indispensable part of the student work team. They are closely related to the development of private colleges and universities. They play a role in the construction of campus culture, the role of bridges and bonds between teachers and students, campus cohesion, management and services, etc. It plays an active role, but due to the management mechanism, resource allocation, and old-fashioned problems of the new campus, it has caused certain difficulties in the training and development of student cadres in the new campus. There are problems in the selection, training, management and use of cadres, and the reasons for these problems have been analyzed, and new thinking has been put forward on the training mechanism.

Keywords: Private Colleges And Universities; One Campus With Two Districts; Student Cadres; Training Mechanism

1.INTRODUCTION

The report of the 14th National Congress of the Communist Party of China stated that "multi-channel and multi-form social fund-raising and non-government education should be encouraged", and private higher education has entered a period of great development. Especially since the end of the 1990s, my country's colleges and universities have continued to deepen the reform of the education system, successively adjusted the layout of colleges and universities, expanded the enrollment scale of colleges and universities, and further promoted the rapid development of private higher education. Due to the total number of students and the scale of schooling With the continuous expansion of the university, many colleges and universities have started a one-campus two-district school-running model, that is, a college with two or more campuses and a set of school

administrative leadership teams. The school-running model of one school and two districts has brought new opportunities for the rapid development of the school, but at the same time it also brings new challenges to the management, connection, resource allocation, and campus culture construction of the school area. Among them, it brings new challenges to students across campuses The selection, cultivation, use, assessment, and inheritance of cadres have caused many difficulties. How to build a training mechanism for student cadres under the background of the school-running model of one school and two districts, while cultivating young cadres, give full play to the active role of student cadres and better serve the reform, development and stability of the school. A question worthy of consideration by our ideological and political educators.

2. ANALYSIS OF THE CHARACTERISTICS OF STUDENT CADRES IN PRIVATE UNIVERSITIES

Private colleges and universities in my country started relatively late. Affected by the conditions for running the school, the scale of enrollment and the admission score of the college entrance examination are relatively lower than those of public colleges of the same grade, which leads to relatively low self-discipline ability after entering the school. Student cadres refer to college students who exercise certain auxiliary management powers in the party and league organizations, student unions, student clubs, and classes to serve students, and accept school management and teacher and student supervision. They are the link between the school and the majority of teachers and students. Bridges are teachers' right-hand assistants. They are first of all students, advanced elements and backbones selected from students. In the process of carrying out work, it is easy to get into the vicious circle of "emphasizing cadres and neglecting students".

2.1 Focus on hobbies and light on learning. The source of students in private colleges and universities is relatively diversified, especially those colleges with dissatisfaction with the enrollment indicators. The foundation, cognitive ability, and enthusiasm of students in such colleges are not very high. Many students participate in student organizations for their hobbies and become A member of the student cadres of the school, college, and class. They are active in student organizations, have active ideas, and have strong practical ability in student organizations. They have dedication and organizational awareness, but they

only focus on what they like. I spend most of my time and energy in student activities, and often do not study very hard, pass by, and have a weak learning self-discipline ability. This makes it difficult for such student cadres to persuade the public in their studies and lack credibility.

2.2 Pay more attention to utility than dedication. The tuition fees of private colleges and universities are relatively high. Individual student cadres participate in student organizations not to serve the collective or classmates, nor to improve their own comprehensive quality, but for the purposes of appraisal, joining the party, and applying for scholarships. "Identity" seeks personal gain and shows strong utilitarianism. This kind of student cadres, once their goals are achieved or they feel that they cannot achieve their goals in this way, they will choose to withdraw from the student organization, which will have a negative impact on the organization department. It will discourage the enthusiasm of other students in the department and form a vicious circle in student organizations.

2.3 Emphasize ability improvement and neglect ideological accomplishment. The improvement of ability can bring the most direct benefits to student cadres. In addition, the school-running mode of private colleges and universities focuses on practice. This has led to deviations in the values of some student cadres—focusing on the improvement of ability and ignoring the improvement of ideological and political literacy. The lack of ideological and political literacy and lack of thinking ability restricts the improvement of work ability. Insufficient work ability makes it difficult to carry out student work and campus activities, and is prone to problems such as "negative energy", bureaucracy, and utilitarianism.

2.4 Strong self-awareness and insufficient sense of teamwork. The student organization is not only an independent individual, but also a team as a whole. In the process of carrying out activities or serving classmates, student cadres often pay too much attention to themselves or their own organization, lack the spirit of cooperating with others or other organizations, and even have low enthusiasm., Passive work, lack of active actions, problems arise, and instead of looking for problems from oneself, but shirk responsibility, this not only affects the efficiency of work, but also undermines the enthusiasm of other student cadres.

3. THE CURRENT SITUATION OF STUDENT CADRE TRAINING IN PRIVATE COLLEGES AND UNIVERSITIES UNDER THE MODE OF RUNNING A SCHOOL WITH ONE SCHOOL AND TWO DISTRICTS

3.1 The selection mechanism of student cadres in one school and two districts is not perfect.

3.1.1 The selection of student cadres must be based on the principle of democratic centralism and under the premise of openness and fairness. Candidates shall be selected through different forms such as recommendation and self-recommendation under the premise of openness and fairness. Produced in the form of organization formulation, appointment or recruitment. Under the one-campus-two-zone schooling model, faculties and departments cross

campuses, grades cross campuses, and student leaders cross campuses. This creates an embarrassing situation where the old selection mechanism is not applicable or there is a selection mechanism but cannot be implemented.

3.1.2 The selection mechanism is difficult to implement. Class student cadres are elected by natural classes and do not involve cross-campus. The selection of school and college student cadres is generally conducted across campuses. The selection of cross-campus student cadres requires a lot of manpower, material resources, and time costs. The safety of the on-site guidance by the student leaders and instructors is very unfavorable. In addition, the school hours are not uniform and can only be used on weekends. Although there is a system, it is difficult to implement across campuses. It is often only a form of guidance and it is difficult to conduct detailed instructions and inspections. Candidates.

3.1.3 The selection criteria and selection procedures are fuzzy. The selection of class student leaders is often determined by the enthusiasm and ability to participate in activities at the time of admission. The selection of school and college student leaders is generally produced through the annual recruitment and interview of various departments. It should be based on ideological quality., Communication skills, organizational skills, coordination skills, etc. as the selection criteria, and cross-campus affected by geographic location, selection criteria and selection procedures are difficult to unify. Some departments are enthusiastic about registration on one campus, but there is little interest in the other campus. Some campuses have meticulous inspections, some campuses follow the formality, and even students who do not perform well in the class have become members of the school's student cadres. These It is often difficult for cadres to convince the public, which is very unfavorable for the future training and management of student cadres in dual campuses.

3.2 The goal of cultivating student cadres in one school and two districts is not clear.

Student cadres are an important force in the management of students in private colleges and universities. They are the most direct organizers and participants of campus activities and campus culture. They are the most active and important group of students in colleges and universities. They are also an important carrier for the education of colleges and universities., Is the bridge and link between teachers and students, so the primary goal of training should be to train qualified builders and successors for the cause of socialism, but in the actual training process, we are more inclined to cultivate the role of "assistant" and the goal of training The focus is on improving the ability of work and practice, while the training of ideological and political quality is insufficient. The improvement of ability will help to better carry out student management work and provide assistance for the construction and development of dual campuses. However, due to the lack of conscious learning awareness and low theoretical level of student cadres in private colleges and universities, if ideological and political activities are not used in training It is difficult to cultivate builders and

successors with higher ideological awareness and firm political stance as the foundation of training, which is not conducive to the improvement of the overall quality of student cadres.

3.3 The management of student cadres in one school and two districts is chaotic.

3.3.1 The use of student cadres should adhere to the principle of educating people, and through campus practical activities, truly cultivate the organization and coordination ability, practical ability, innovation ability and comprehensive quality of student cadres. Student cadres should not be defined as clerical or errands. It is even more necessary to eliminate the tendency of "administrative" and "bureaucratic". Student cadres are the advanced elements and backbone of students. We should pay more attention to their role models and role models, focusing on helping students fully grow into talents, promoting the development of good habits of students, representing and safeguarding the legitimate rights and interests of students. effect.

3.3.2 Due to the differences in the management and teaching modes of the dual campuses, the student activities between the campuses are not unified, and it is difficult to unify the assessment and supervision standards for student leaders. At present, the most commonly used assessment method is under the unified leadership of the school youth league committee, the youth organizations at all levels are responsible for the assessment, and the results of the assessment are reported to the school youth league committee for the record. This assessment method is prone to "emphasis on results, neglecting process" phenomenon. The results of the assessment are easily influenced by the wishes of the department heads, which is not conducive to the balanced training of student cadres across campuses.

3.3.3 The lack of incentive mechanism for student leaders across campuses. Without an incentive mechanism, it is difficult to mobilize the enthusiasm of student officials. When freshmen enrolled, many students join the student organization with full enthusiasm, but after joining, they may find that there is "nothing to do", or no one recognizes after hard work., Or the inability to achieve the goal they are pursuing, these will cause them to have a psychological gap. Over time, when they do not get spiritual, emotional or material incentives, they will have the idea of withdrawing from the organization. Once a classmate withdraws, other students will follow.

4. SUGGESTIONS ON THE TRAINING MECHANISM OF STUDENT CADRES UNDER THE MODE OF RUNNING A SCHOOL WITH ONE SCHOOL AND TWO DISTRICTS

4.1 Adhere to standards, carefully screen and inspect, and strictly control entry points.

4.1.1 In the process of selecting student cadres, we must carefully select and focus on inspections. In the selection process, you may encounter: first, students with excellent academic performance lack student work and practical experience, second, students with strong activity ability have average academic performance, and both of them are difficult to obtain a high sense of trust and persuasion in

front of ordinary students force. Therefore, we must first clarify what kind of students are needed for which positions, but the basic conditions must be met: first, good ideological and moral character, high political consciousness, second, dedication, third, sense of responsibility, fourth, high ambition Seeking truth and being pragmatic; the fifth is hard work and good grades. It requires a firm political stand, high ideological awareness and good academic performance, as well as good organizational management and activity capabilities.

4.1.2 Adhering to the principle of fairness and openness, adopting self-recommendation, recommendation, organizational appointment and other forms, using the form of Internet +, unified inspection, selection, and selection of student cadres suitable for student cadres.

4.1.3 Under the dual-campus model, the new campus's team-study organization structure follows that of the old campus. However, in the first year the new campus is put into use, there will be no ministers and deputy ministers in each department. In order to facilitate the smooth development of work, For the inheritance of league studies and the training of officers, a vice minister with strong ideology, morality, responsibility, and accomplishment will be selected from the old campus to be responsible for the business guidance and officer training of the new campus departments, and the departments of the new campus can designate temporary responsibilities. There are several people, and the temporary person in charge adopts a rotation system, but there is no specific position. Starting from the second year when the new campus is put into use, the main cadres will adopt a fair and open contest in the form of competition.

4.2 The training objectives are clear, the content is comprehensive, and the coverage is wide.

Student cadres of private colleges and universities play an important role in the development and stability of the dual campuses. They play a role of role model, guidance, assistance, and bridges in student management. These roles cannot be achieved without their training.

4.2.1 The training of student cadres must follow the fundamental question of "who to train, how to train, and for whom". Therefore, no matter from the national level, the social level, or the school level, our training goals are all It is consistent: to train qualified builders and successors for the cause of socialism, this requires that the content of training must be comprehensive, not only to cultivate good ideological morality and political stance, but also to cultivate language expression ability, organization and coordination ability, and innovation Ability, decision-making ability, teamwork ability, learning ability, psychological endurance and other comprehensive abilities.

4.2.2 Carry out training courses for Qingma Project to build a training model for young people to study. The training is carried out in a three-level training pattern of "school, college, and class". Special training courses are arranged around topics such as ideological guidance, organization building, business guidance, team building, and ability improvement. It is composed of Youth League Committee teachers, Youth League instructors, and

outstanding student leaders; it also builds a platform for exchanges and learning, and conducts a monthly exchange and learning session between the two campuses to enhance the emotional and business exchanges between the student leaders of the two campuses.

4.2.3 Carry out characteristic training, closely follow the school's specialization and regional characteristics of running a school, carry out characteristic training according to the positioning of private colleges and universities, local economic construction and job requirements, and make up for the shortage of students and teachers.

4.3 Improve the management and assessment mechanism of student cadres, and clarify responsibilities.

4.3.1 Clarify the guidance responsibilities of school-level student organizations to college-level student organizations and college-level student organizations to class committees, focusing on resource integration, activity development, business guidance, etc., and strengthen school-level student organizations' guidance to college-level student organizations, Contact and help, hold a regular bureau meeting every week to communicate work and exchange learning.

4.3.2 Clarify the responsibilities of the new and old campus cadres. In the first year of the new campus, the team advisors, temporary heads of various departments, and the main cadres of the old campus full-time in charge of the new campus will be used, and the role of instructors and temporary heads will be emphasized. From the second year, the new campus will begin to set up assistants. From the third year onwards, the dual campuses will each have a deputy minister. The chief minister will be recommended or elected by the dual campuses on a rotating basis. The presidium members will be recommended by the dual campuses to recommend candidates and elected by the Youth League and School Representative Conference..

4.3.3 Establish a positive list and a negative list system for the evaluation and supervision of student cadres. The Youth League Committee of the school establishes a positive list and a negative list that meet the assessment of different campuses according to the actual situation of the dual campuses. Under the leadership of the school party committee, the school youth league committee will provide unified guidance, and the league and school organizations at all levels are responsible for specific management and evaluation, and the assessment grades Those who are excellent, good, qualified, or poor, and those whose assessment results are poor will be dismissed. The purpose of student cadre assessment is to make every student cadre feel the responsibility and pressure. Only with responsibility and pressure can they continue to spur their own progress.

4.4 Establish a timely incentive mechanism.

According to Maslow's demand theory, the needs of college students are at a higher level of socialization and self-realization. Student cadres of private colleges and universities participate in the development, management and campus culture construction of the school, and they can obtain a sense of accomplishment and satisfaction

beyond their academic performance. When this sense of accomplishment and satisfaction cannot be recognized by teachers and classmates in time, frustration will appear, which will affect the enthusiasm of student leaders. Therefore, time-sensitive incentive mechanisms should be established to encourage student leaders to continuously pursue progress..

4.4.1 Emotional motivation. The work of student leaders is a free service. Their passion for work comes from the encouragement of their classmates and teachers and the work they carry out is continuously recognized. However, because of the limitations of conditions across campuses, the activities or ideas that the student leaders want to carry out or the ideas that they want to achieve cannot get the understanding and support of teachers and classmates, they will have a negative psychology. When such ideas are not available for a long time When it is realized, the mentality of frustration will continue to appear, until it is step by step and not enterprising. Therefore, the instructor of the group school should discover problems in a timely manner, strengthen emotional communication with student leaders, understand their psychological demands in a timely manner, pay attention to their ideas, and communicate and explain to them in time to stimulate their positive emotions and cultivate them when conditions are limited. Their sense of belonging and identity.

4.4.2 Honor and material incentives. The positive and negative lists of student cadres' assessment and supervision are conducive to promoting self-reflection of student cadres. For the assessment of outstanding student cadres, there should be a higher level of affirmation, motivation and reinforcement, that is, honor and material motivation. The annual commendation of the Communist Youth League, annual appraisal and selection of excellent candidates to join the party, etc., are all affirmation and strengthening opportunities for their good work. Of course, at the end of various activities, excellent organizers should also be rewarded with honor.

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Higher Vocational Mathematics Curriculum Reform from The Perspective of Professional Ability

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Abstract: As a basic subject, the higher vocational mathematics course is oriented to professional ability and promotes the innovation of teaching methods. It can not only help students learn mathematics, but also help students improve their logical thinking ability and enhance their professional ability. Through the development of project courses, teachers can also give students a lasting motivation to learn, solve the problem of marginalization of mathematics, improve students' core literacy, and improve the structure of students' professional ability system. From the perspective of professional core literacy, re-examine the higher vocational mathematics curriculum, reasonably implement the positioning of mathematics teaching, optimize the curriculum method, and maximize the instrumental and cultural value of higher mathematics.

Keywords: Vocational Ability; Higher Vocational Mathematics; Curriculum Reform

1. INTRODUCTION

Advanced mathematics is an important public basic course in higher vocational colleges. Under the "call" of the times, high school mathematics teaching reform also needs to meet the needs of social development, assume the main purpose of serving majors, implement comprehensive mathematics literacy, and lay a good foundation for the future development of students. Occupation specific ability is the ability of each specific occupational position, including digital application ability, analytical problem solving ability, independent learning ability, cooperation ability and so on. Vocational core competence can provide people with the most extensive professional competence, and the purpose of education is to "train people with comprehensive development" [1]. At the end of the era of intelligence, the industrial structure has been upgraded. If you want to gain a foothold in the fierce market competition, you need to put forward higher demands for higher vocational mathematics courses. At this time, in the process of implementing higher vocational mathematics teaching, it is necessary to organically combine students' professional specific abilities with industry general abilities, implement professional core literacy, and implement the extension from the technical level to the direction of overall development. Essentially, to realize the common "Chinese Dream" of everyone.

2. HIGHER VOCATIONAL MATHEMATICS CURRICULUM REFORM FROM THE PERSPECTIVE OF PROFESSIONAL ABILITY

2.1 Clarify the positioning of higher mathematics courses
Mathematics is a major "key" for understanding the world and its development. The advanced mathematics course is a mathematics course generally offered by all higher vocational colleges. In the course of development, it is also necessary to combine the needs of reality, implement the core vocational competence, and meet the mathematics curriculum reform plan. Higher vocational engineering, mechanical and electrical, economics and management, etc. all require a reasonable overall planning on the basis of basic theories and basic skills. At the end of the course, you can gain more knowledge of mathematics. Mastering professional knowledge and skills, through learning can improve students' abstract ability and thinking logic ability, analysis and problem-solving ability, and establish dialectical thinking mode. With the development of the times, there is a greater relationship between mathematics knowledge and scientific and technological knowledge, and real life. Only by combining professional development and implementing professional positioning, can you learn mathematics service major in a subtle process and reflect the culture of mathematics Value, strengthen the cultivation of professional core competence.

2.2 Optimize the content of advanced mathematics teaching

In essence, in the course of mathematics teaching, effective overall planning should be based on actual needs to meet the needs of talent training and professional construction. Reasonably combine the needs of industry development with professional positions to lay a good foundation for the sustainable development of students in the future. For example, infinite series can be transformed into three-level functions, and the contemporaneity of trigonometric functions can be used reasonably to solve engineering problems and improve the application value of higher vocational mathematics. Probability and mathematical statistics and related content can be combined with variance to analyze whether the batch of products are qualified, and can play its own role and value in the process of sampling inspection. Further combining with reality, analyze whether there is a significant difference between the product after the process improvement and the product before the improvement. When learning orthogonal experimental design, you can find a reasonable solution based on different experimental conditions and experimental foundations, and use the experimental data as the basis to use the range analysis method to solve the problems in actual work and find the

best Optimized program. In the study of higher vocational priority method, teachers can guide students to analyze the high-quality, high-yield, low-consumption content that needs to be achieved in the production or scientific research process in accordance with the actual situation [2]. That is to say, in the course of actual work, the relevant personnel can find the optimal point according to some key factors such as formula, ratio, process operating conditions, etc. These points of fit are the so-called problems that need to be optimized, and they can only be combined. These problems can meet the current development needs.

2.3 Adjust teaching requirements and revise curriculum standards

For higher vocational mathematics learning, in many cases, teachers are not only to impart basic knowledge, but also to guide students to master mathematics learning methods, improve autonomy, and enhance mathematical thinking ability. In related surveys, you can see that many times, after graduation, you may forget about the mathematical concepts or formulas you learned before, and even a lot of the knowledge you learned is not useful in your life. However, at that time The mathematics thinking and the focus of mathematics thinking that are comprehended in the learning process can be used, which lays a good foundation for the students' future work. At this time, in the process of revising the curriculum standards, it is necessary to combine the characteristics of higher vocational students, the cumbersome degree of reasonable downgrading calculation skills, appropriately delete and add parts that are closely related to professionalism, and cultivate students' mathematical thinking. The application value of mathematics can maximize the market competitiveness of students. Fully consider the needs of students of different categories and levels. According to the needs of the courses, construct a course resource database of "classified training, hierarchical teaching". Relying on "Engineering Cloud Classroom", master the learning situation of each link before class, during class, and after class, and increase the intensity of feedback [3].

2.4 Assessment reform

"Advanced Mathematics" needs to change the original evaluation method in the process of teacher and student evaluation, and implement formative evaluation, process evaluation and result evaluation under reasonable overall planning [4]. Refer to the curriculum teaching objectives, teaching reform content, etc., analyze the acceptable methods of higher vocational students, and make value judgments on the curriculum content and the effect of teaching implementation. Scientific assessment methods can not only help teachers optimize teaching methods, but

also help students find their own learning methods, improve students' sense of autonomy, and implement the effectiveness of teaching reforms. Adhere to employment-oriented, guide students to learn professional knowledge, and maximize students' practical ability. Use the knowledge learned flexibly into practice, pay attention to students' dynamic learning situation, and enhance students' professional quality and computer application ability. Based on the overall evaluation, analyzing the role of mathematics courses and professional needs, helping students to use mathematics flexibly, is critical to enhance students' professional abilities.

3. CONCLUSION

With the progress of society, in the employment-oriented education reform, higher vocational mathematics teachers also need to combine the needs of reality, through "diagnosis and reform", from the perspective of the curriculum, in-depth market research, transformed into mathematical problems to train students Logical thinking ability improves students' problem-solving ability. Cultivate comprehensive talents that meet the needs of social positions, and provide students with targeted mathematics teaching. Use the mathematical knowledge you have learned to solve problems in the real world and prepare a good foundation for future work.

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Challenges And Prospects of Online Chinese Language Teaching in The Philippines

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Abstract: Since the outbreak of COVID-19 in late 2019, it has rapidly become a public health emergency of international concern, and is still spreading today. Under the cloud of the epidemic, human life and safety have been seriously threatened, and education, as an important part of the social system, has also been impacted and affected. In particular, overseas Chinese teaching is facing unprecedented challenges. This paper puts forward some countermeasures to the problems in Chinese language teaching in the Philippines, and makes some prospects of the Chinese language education.

Key Words: Chinese Language; Online Teaching

1. INTRODUCTION

As Chinese traders settled in the Philippines, learning Chinese became a social demand. In 1899, the first Chinese and Western School in the Philippines was established, marking the beginning of Chinese education in the Philippines. It has a history of more than 100 years. With the support of the Philippine Department of Education and Hanban, the Philippine Council of Higher Education has encouraged the inclusion of Chinese as an elective course for university and doctoral students as early as 2001, and since 2006, based on the joint advantages of Philippine and Chinese universities. Four Confucius Institutes have been established: Confucius Institute at Ateneo University, Confucius Institute at University of Braca, Confucius Institute at Reishi University of Red Creek and Confucius Institute at University of the Philippines.

However, the COVID-19 outbreak has brought industries to a standstill, and education, especially in The Chinese language, has also suffered a strong impact. In the face of today's complex and changeable international environment, overseas Chinese teaching is bound to conform to the development trend and seek a more favorable development prospect. A vigorous online teaching mode has been kicked off. Although Great Wall Chinese launched the concept and resources of Chinese learning platform as early as 2008, the sudden outbreak of the epidemic turned online learning resources from auxiliary to "just needed" (Ma Chen).

2. PROBLEMS IN ONLINE TEACHING OF CHINESE LANGUAGE

2.1 Students

At the height of the epidemic, most students studied online at home. Online classes lack the overall atmosphere of classroom class, and it is difficult for students to encourage each other and learn from each other. Moreover, there is no environment for students to communicate with Each other in Chinese. Most students only have access to

Chinese in class, and they are still in the environment of mother tongue after class. It is difficult to form an immersive learning environment, which is not conducive to the cultivation of their Chinese thinking.

On the other hand, the quality of online learning is difficult to guarantee. Online classes require students to be highly disciplined. Chinese is not just something you can learn in online classes, in fact, it's any language. Online courses inevitably involve mobile phones and computers, but many students struggle to stay focused throughout the course. After a period of online learning, the gap between students gradually widened.

2.2. Teachers

The Chinese teachers in the Philippines mainly consist of two parts -- the local teachers and the teachers sent by China. As far as Local Chinese teachers in the Philippines are concerned, they once studied in Philippine Chinese Middle schools and engaged in Chinese teaching after graduation. Most of them are non-professionals and their Chinese proficiency is not high.

Secondly, due to the epidemic, Confucius Institutes have suspended the recruitment of Volunteer Chinese language teachers, and most of the volunteers who were originally in the Philippines and teachers sent abroad have returned to China, leaving Chinese language teachers in short supply.

3. THE COUNTERMEASURES OF CHINESE ONLINE TEACHING

3.1 Stimulating Students' Enthusiasm for Learning

Different from traditional face-to-face teaching, teaching and learning in network classroom are separated in time and space. Therefore, teaching design and teaching implementation process in actual teaching need to be changed accordingly. In Chinese class, the teacher does not simply speak at the other end of the computer, but arouses the initiative of students to learn, creates opportunities for students to speak, and enables students to participate in the class. For example, in combination with the actual situation, students can be guided to observe the changes around them by using the learned words and sentence patterns, take photos or make a video of the changes and describe them in Chinese, so as to stimulate their enthusiasm for learning.

3.2 Giving Full Play of Online Chinese Learning Platform

As Chinese has become an important language tool, "Chinese fever" has swept the world, and online Chinese learning platforms have sprung up like mushrooms. Up to now, some platforms have been increasingly perfected, such as the Online Confucius Institute (www.chinesecio.com), which covers traditional Chinese culture, basic Chinese, HSK tutoring and other courses.

The Global Chinese Learning Platform (www.ChineseTeaming.cn) uses intelligent voice and artificial intelligence technologies to provide personalized services for learners; Great Wall Chinese (www.greatwaachinese.net) provides learners with rich teaching resources, etc.

As a teacher, it is necessary to select appropriate video courses and insert them into the network classroom, so that these platforms and resources can really play their role and become a good helper for teachers to carry out distance teaching.

3.3 Promoting the Training of Chinese Teachers

The increase in the number of Chinese learners has also put forward quantitative and qualitative requirements for Chinese teachers. Thus more Chinese professionals should be trained. With the help of China's "Going Global Culture Project" and the establishment of Chinese language education for international students, we need to strengthen the construction of teaching staff. Meanwhile, effective training should be given to in-service teachers, and experts and scholars should be hired to provide guidance and demonstration, so as to help them improve their Chinese ontology and teaching skills.

In addition, online teaching under COVID-19 has put forward new requirements for teachers -- information technology skills. Teachers should not only have professional quality, but also master the application of network platform. Therefore, schools also need to train teachers the usage of on online teaching platforms. Webcast class platforms such as Dingding, Tencent Conference, Zoom and so on, all have very powerful functions. Take Dingding as an example, in addition to the function of meeting online, the whiteboard and other functions are very useful as well. Home schoolbook is convenient for teachers to assign homework. After students upload homework, teachers can give timely correction. Therefore, teachers need to exploit the hidden features as much as possible to make the best use of online teaching platforms.

4. PROSPECTS OF CHINESE LANGUAGE EDUCATION AFTER THE EPIDEMIC

4.1 Policy Support

Under the special circumstances, no country can stay immune. As a neighbor of China, the Philippines was once an important passage along the Maritime Silk Road and is now an important partner. With the rapid development of China's economy and the remarkable enhancement of China's comprehensive strength in the world, the

Philippine authorities are also attaching more importance to the promotion of Chinese language in the country under the guidance of the "One Belt and One Road" policy.

4.2 New Mode of Chinese Teaching

In the long-term co-existence of Coronavirus disease and human beings, it can be expected that in the post-covid-19 era, the Chinese language teaching mode is no longer the traditional offline teaching mode, and face-to-face learning plus online learning is likely to become a new mode of Chinese language teaching. Online teaching resources, situational Chinese teaching and auxiliary learning tools will become an indispensable part of Chinese education in the future.

To sum up, Chinese language education in the Philippines has a long history. With the deepening of exchanges and cooperation between the two countries, the status of Chinese language in the Philippines will be gradually enhanced. In the face of the new situation, learners and teachers should work together to overcome the difficulties. Chinese language teaching should also keep pace with the times and take the advantage of the Belt and Road Initiative to promote new development in future.

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Research On Quality Assurance Mechanism of Undergraduate Graduation Project Management in Colleges and Universities

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Abstract: According to the problems in the practical guidance process of undergraduate graduation design of computer science and technology, this paper provides a scientific and effective new system for colleges and universities to ensure the teaching quality of undergraduate graduation design management, and focuses on the preliminary design work of "student-centered" example forward, team guidance, real topic and clear task, Combine the regular meeting in the analysis stage with randomly selected data, guide the practice stage of students' dynamic process management in a process, and provide constructive suggestions on the defense link and evaluation system.

Key Words: Undergraduate Graduation Project; Quality Assurance; Students As The Main Body

1. INTRODUCTION

Taking undergraduate graduation design as the last comprehensive practical education link for graduate teaching in Colleges and universities to achieve the training goal is the key factor to measure the teaching quality of undergraduate graduation design training. In 2014, as a key evaluation element of the national engineering education professional level recognition standard, the rate of random inspection of graduation design was as high as more than 8%. It can be seen that the quality of undergraduate design work is the key to judge the educational level of an institution and whether educational management is a standard. It is the best test method for learners' knowledge, scientific research and technology level and practical innovation ability within four years of master's degree, It has a direct impact on the employability of college students and the practical ability to use knowledge and technology after entering the job. Therefore, we should study how to scientifically control product design and process, optimize the quality monitoring of graduation design, and strive to cultivate a group of innovative engineering designers with high engineering design awareness and engineering technology literacy, strong engineering design implementation ability and technological innovation ability, in order to meet the rapid development of enterprises and social economy and meet the needs of modernization of science, technology and engineering applications, It has important research significance.

2. PROBLEMS AND ANALYSIS OF UNDERGRADUATE GRADUATION DESIGN IN COLLEGES AND UNIVERSITIES

2.1 Graduation project management system

At present, schools generally rely on the education management platform to implement the mode of "teachers determine topics and teachers and students make two-way choices". This "monopoly" topic selection management mode of teachers makes students have limited decision-making power and lack of effective communication with teachers, resulting in students' perception that the selected problems are contrary to the expected results after teachers choose, thus forming a slack mentality, When teachers see the lack of students' ability, they will also form students' perfunctory and correct attitude. From the connotation of the topic, there are some phenomena, such as outdated content, no innovation, superficial topic selection, lack of depth, lack of engineering background and so on. Although the school has established the graduation project management system and the process of graduation project counseling, inspection and defense, there are some problems such as lax implementation and weak supervision, which makes the design work a mere formality and the teaching quality can not be improved. In addition, the material conditions such as laboratory sites and teaching experimental facilities designed for undergraduate graduation are not guaranteed because the students' investment in time, economy and spirit is gradually reduced. The problems of teachers are mainly major educational tasks, high-intensity scientific research tasks, excessive amount of counseling and high-density centralized counseling, so that teachers' investment in learning time and spirit can not be guaranteed with high quality. Due to the free form of guidance and the lack of specific evaluation methods, teachers are slack and relaxed. Young doctors and other guidance teachers with unique opinions and professional knowledge advantages in specific fields lack engineering practical experience, resulting in insufficient practical guidance ability. At the same time, because young teachers did not receive the training of school guidance graduation project and related business on time, their guidance work was not carried out in an all-round way. The main problem of students is that the huge pressure on job hunting makes them unable to design safely and correctly. Therefore, there are some bad phenomena, such as plagiarizing and simply tampering with previous graduation theses by using network resources. Students who are busy taking the postgraduate entrance examination and looking for a job are not aware of the importance of graduation design. The completion topic has little relationship with the job, and there is a phenomenon of coping with it. To sum up, only schools and educational institutions pay full attention and teachers

and students are treated equally can ensure the quality of undergraduate graduation design and output the highest standard talent training to the society and the company.

3. TEACHING QUALITY ASSURANCE PATH OF UNDERGRADUATE GRADUATION PROJECT MANAGEMENT IN COLLEGES AND UNIVERSITIES

Combined with the actual investigation and innovation system, the following suggestions are mainly put forward in the teaching practice: through the actual introduction of enterprise service projects and the guidance of the actual work process of project management, help students systematize and connect their knowledge, so as to improve their practical application ability and train their comprehensive ability to work on the job. The subjective aspect is a real project that meets the needs of learners, which mobilizes learners' interests and internal motivation. College students can take the initiative to find literature, sort out knowledge smoothly, solve problems clearly, and improve their key ability to deal with discipline problems. In terms of management, a series of technological innovations, such as innovative quality monitoring, open and forward design topic selection preparation, the establishment of professional and technical guidance team, the introduction of practical problems of the company, and the setting of cross professional problems, are the key problems of high-quality design. The completion of quality monitoring, routine inspection and random periodic spot check are conducive to supervising the guiding force of instructors and supervising the completion process of students. The guidance of the core backbone of the company is conducive to the improvement of students' application ability and scientific and reasonable assessment, so as to make the design results more equal, just, scientific, reasonable, standardized and measurable. The process of quality monitoring, the three-stage quality innovation system of "beginning, process and port" comprehensively monitors the overall design process, and the time node is clearer. The procedural process within the stage promotes the evaluation of teachers and students within the student organization, so as to improve the teaching quality [1].

Teachers' scientific literacy is content-based, and students' scientific research literacy will be improved in Teachers' scientific research engineering projects. The cultivation of their creativity and the integration of their innovation ability will promote teachers' continuous innovation and development in scientific research, thus promoting the improvement of teachers' scientific literacy. Teachers' professional ability should be put into practice. Through the introduction of real engineering projects and the establishment of backbone guidance form of joint enterprises, the actual engineering ability of teachers is

significantly improved and the professional ability of teachers is put into practice. The persistence of school enterprise cooperation, the good division of labor and collocation of school enterprise team and the dedication of students to go and actively explore in the actual situation of the company have been recognized by the company, which has strengthened the understanding and trust between students and the company, and stabilized and further developed the relationship between schools and enterprises. Use the teacher's research power to solve various technical difficulties for the company. Use the company's construction experience to improve the teachers' on-site combat strength and lay a solid foundation for the in-depth cooperation between schools and enterprises in education, R & D and products. With the improvement of the degree of community recognition, when using the students to create fresh efforts and labor services for the company, they also mastered a large number of on-site practical experience, so as to exercise their professional knowledge and feel the attraction of the profession, so as to improve the professional quality of the students. Through the cultivation of real knives and guns, it not only greatly improves the teaching quality of design, but also effectively increases the social popularity of school graduates.

4. CONCLUSION

Undergraduate graduation project activity is a comprehensive application practical teaching link of "teacher oriented and student-centered". It is the main position to test the students' "solid foundation, excellent professional quality and broad knowledge in the application field". It is an important link to improve the employment adaptability of students and cultivate the practical innovation ability of engineering personnel. Its teaching quality directly reflects the talent strength cultivated by the University. Although the current design still faces many problems and difficulties, as long as we improve the design awareness and strictly implement the Trinity undergraduate graduation design and innovation management system of "management norms, teachers' attention and students' enthusiasm", we will certainly be able to improve the management level of undergraduate and graduation design to a new stage of development and realize its due social value and significance.

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An Analysis of The Problems and Key Points of Physical Training in Track and Field Teaching in Colleges and Universities

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Abstract: With the continuous development of social economy and technology, my country's education has undergone many changes. The relevant system clearly points out that the physical training of students should be strengthened in the education of colleges and universities in order to improve the physical and mental health of students. In the track and field teaching in colleges and universities, with the reform of education, the role of track and field teaching is becoming more and more important. Although the school has strengthened the importance of track and field teaching, due to the various problems in the track and field teaching in the past in our country, it is at this stage In order to improve the effective teaching of track and field education in the development of track and field in China, it is necessary to carry out curriculum innovation. This article mainly analyzes and studies the problems and main points of physical training in track and field teaching in colleges and universities.

Keywords: Track And Field Teaching; Physical Training; Problem Analysis; Analysis And Research

1. THE ROLE OF PHYSICAL TRAINING

In simple terms, physical training is a kind of training to strengthen the adaptability of students' physical conditions to the natural environment. During the process of physical training, not only the physical fitness of the students is improved, but also the personality and thinking of the students are improved. The effectiveness of physical training should be determined from the student's physical form and physical ability. Effective physical training in colleges and universities can bring the following advantages:

1.1 Improve students' physical fitness

The learning process of track and field sports usually involves outdoor activities, so it has a great fitness effect for students. Students can promote their own physical function and the development of physical and mental health through reasonable participation in track and field activities. Secondly, students use track and field sports. Outdoor learning can also effectively improve students' adaptability to the external environment.

1.2 Recognize and master the basic content of track and field sports

There are certain differences between track and field sports activities in colleges and physical education courses. Track and field activities are carried out in a wide range and have diversified characteristics. Therefore, conducting track and field activities in a reasonable way in college life can enable students to learn about track and

field education. To understand the practical goals and teaching content, students can effectively master their own physical conditions by learning the relevant knowledge and skills of track and field sports. In order to carry out the track and field sports in colleges and universities reasonably, it is necessary to adopt basic professional techniques to carry out scientific skill training for students.

2. THE STATUS QUO OF PHYSICAL TRAINING IN TRACK AND FIELD TEACHING IN MY COUNTRY'S COLLEGES AND UNIVERSITIES

Under the requirements of the new curriculum reform, although physical training has developed to a large extent, there are still major shortcomings in the concepts and methods of development. my country's physical training is in the early stage of development, so many educational methods adopted are relatively backward.. There are various activities in track and field, and each sport has different requirements for the physical condition of students. This requirement increases the difficulty of physical training for students. Secondly, most track and field teachers in our country have not conducted professional training, so they have not mastered a reasonable physical training model. When performing physical education on students, they will not be able to improve the results of their physical training due to incorrect use of methods. In addition, in the process of physical training, not only the physical training of students should be carried out, but also the training of psychological quality. When teachers ignore the training of psychological quality, physical training will not be able to exert real value [1].

3. THE MAIN POINTS OF PHYSICAL TRAINING IN COLLEGE TRACK AND FIELD TEACHING

3.1 Based on diversified teaching and training methods

In track and field teaching, the use of past training methods for physical training no longer meets the requirements of current social development. Therefore, in order to effectively carry out physical training in track and field education, it is necessary to innovate the physical training methods. Teachers can teach students Carry out diversified training and transform a single and boring training method into an interesting teaching method. To develop diversified training methods reasonably, it should be carried out from the introduction of scientific teaching methods and changing teaching methods. The main purpose of physical training in track and field education is to improve the physical fitness of students. It should be carried out under this principle.

3.2 Scientific training evaluation method

In track and field teaching, physical training can effectively improve students' competitive ability through evaluation. In the past, teachers used to evaluate and assess the performance of each student according to a unified standard. Due to the physical fitness of each student The situation is different. When training, according to a unified standard, some students with lower physical fitness will not meet the requirements. In the long term, it will reduce students' interest in physical training. Therefore, in order to effectively improve this situation, teachers need to follow Each student's own situation sets the evaluation criteria. When the student's physical training results are better than the last time, they should be rewarded. In this way, not only can the student's sense of accomplishment in physical training be improved, but also the students can always maintain their physical training. Enthusiasm [2].

3.3 Main measures of physical training

It is very important to conduct basic training for students in college track and field education activities. Only by doing a good job of basic work can the subsequent track and field activities reduce the occurrence of injuries. Through the current college track and field education research in my country, the foundation is found Sex training is a kind of universal training. In order to effectively improve the track and field sports in colleges and universities, teachers should first be required to formulate a reasonable basic training plan to improve the physical fitness of students through physical training. Basic training is a gradual process, so in the early stage of educating students, students should be allowed to perform some simple warm-up activities. In the mid-term development stage, basic strength can be performed on the students' legs, buttocks, and abdomen. Training, and gradually increase the difficulty of the big training during the training process. In order to ensure that basic sports in track and field education can be effectively carried out, the following issues should also be paid attention to in the course of the course: First, the formulation of basic training programs should follow the principle of universality, due to the different physical fitness of students Therefore, in order to achieve the best results, teachers should make basic training programs based on the physical conditions of most students. Second, the situation of each student should be observed at all times during the training process. The training intensity experienced by each student is different. Since the basic training plan is formulated according to the physical condition of most

students, there are some physical conditions. Students with poor quality cannot withstand this kind of training intensity. Teachers should stop students from continuing their activities in time to prevent students from harming their bodies.

After the basic training is completed, teachers should formulate different training enhancement programs for students according to the training situation of each student. The goal of college track and field training is to strengthen the students' basic training results. Therefore, when formulating the program, it is for some students with better physical fitness. Some training activities can be appropriately increased. On the contrary, some training activities should be reduced. A diversified training program needs to be formulated when the activities are carried out, so that students can choose according to their own interests when choosing a training program. When students are full of training programs Only when you are interested can you be fully integrated into the activity training process [3].

4.CONCLUSION

Students in colleges and universities are under heavy academic pressure. Long-term learning in this environment will not only effectively improve learning efficiency, but will also have a negative impact on the physical and mental health of students. However, reasonable and effective athletics in colleges and universities can be used Standard methods can be used to improve students' psychological endurance, and teamwork activities can also be used to enhance students' team spirit. Students can exercise their own subjective initiative and establish correct ideological concepts in track and field learning.

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Discussion On the Effective Use of Incentive Methods in The Management of Higher Vocational Students

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Abstract: The management of colleges and universities is multifarious and needs to involve all aspects. Among them, student management is an important part. Under the background of the continuous deepening of education, we should keep pace with the times and use the effective management system to implement student management. The theme of this paper is the effective use of incentive methods, which is divided into two parts: management problems and application points, hoping to provide constructive suggestions for education.

Key Words: Higher Vocational Students; Student Management; Incentive Management

1. INTRODUCTION

For higher vocational colleges, management students should pay attention to ways and methods, constantly innovate and improve their management system, so as to lay a foundation for later work. In fact, higher vocational students are relatively loose, their mastery of basic knowledge is weak, their self-control in learning is not strong, and their skills and methods are single. Colleges and universities should help students improve the current situation through management.

2. Current situation and management problems of Higher Vocational Students

2.1 Current situation of Higher Vocational Students

Objectively speaking, higher vocational students generally have the problem of unclear learning objectives and low self-control ability, which is difficult to overcome learning difficulties. When senior high school students enter the new college environment, they generally lack self-control ability, do not have a solid grasp in learning, and lack motivation due to lack of social and professional cognition and simple thinking. Due to the failure of college entrance examination or poor performance in senior high school, higher vocational students are easy to hint themselves psychologically, resulting in lack of confidence in learning. In addition, the basic knowledge is not firm, and it is difficult to connect when contacting new content, which will even lose students' confidence. Moreover, higher vocational students have weak organizational concept and like to express personalized psychology. Colleges and universities are more difficult during the management period, which hinders the progress of work.

2.2 Management of Higher Vocational Students

According to the analysis of college management experience, there are the following two problems: first, the management system and mode are not perfect. We should

know that higher vocational students are the focus of management work. Only by ensuring the orderly progress of students' work can we maintain the operation of later activities. In fact, when the relevant personnel manage students, there are great misunderstandings, and the management mechanism and education methods adopted are slightly backward, which is difficult to convince the public. Second, the management channels are not smooth. According to the empirical analysis, during the period of managing students, colleges and universities often have blocked channels. Although they have been optimized and adjusted to some extent, they still can not solve the essential problems, and students are also participating in the management work, but the management work lags behind or becomes a mere formality because of the slow information feedback. Therefore, in the next work, we should properly open student management channels and strengthen the contact between the school and students, so as to promote the later management work [1].

2.3 The teacher in charge of the class does not fully understand the incentive mode

Objectively speaking, the main implementers of incentive methods are professional teachers in higher vocational colleges. The quality, management and theoretical abilities of this group determine the quality of student management in the later stage, and the tasks of superiors directly reach the hands of professional teachers. If they are misunderstood, it may lead to work disorder. According to the empirical analysis, at present, most in-service teachers in higher vocational colleges do not understand the incentive methods and are in shallow contact, so they can not effectively serve the incentive work and delay the work. Next, they need to overcome the difficulties as soon as possible and organize teachers to learn new mechanisms by themselves to make up for the lack of work.

3. MANAGEMENT INCENTIVE METHODS AND APPLICATION POINTS OF HIGHER VOCATIONAL STUDENTS

3.1 Management and incentive methods of Higher Vocational Students

In the new era, in order to better manage students, incentive methods can be adopted, which can be divided into trust incentive, goal incentive, reward and punishment incentive and example incentive.

3.1.1 Trust and incentive. If higher vocational colleges want to effectively improve the management level, they should innovate in the traditional mechanism, manage students in combination with trust and incentive, and

break the previous single situation. Specifically, there are many ways to improve the work by incentive. Managers should choose the appropriate way, so as to give full play to the positive role of the innovative model. For example, give students respect, encouragement and care in their daily study and life. The guide learns to trust students' every move, listen to their views on things, and create a democratic communication environment, which can be conducive to the later management work.

3.1.2 goal motivation. It is no stranger to mention goal incentive. As a common method in management, it can promote the implementation of work. First of all, managers set goals according to students' different conditions and guide students into goal action; Secondly, we should supervise the completion of students or give some help to promote the management work.

3.1.3 Reward, punishment and incentive. Objectively speaking, the reward and punishment incentive measures are applicable to different scenarios and can play a good role in the management of college students. As the name suggests, it is to use reward and punishment to manage students, which can mobilize students' enthusiasm and restrict bad behavior.

3.1.4 Example motivation. The so-called example motivation can be divided into two ways. First, let students look for examples as their pursuit goals; Second, colleges and universities set an example for students, guide students to keep up with excellent figures and forge ahead for this purpose. In fact, example can be used as a street lamp to let students have clear goals and help carry out management work.

3.2 Key points of application of management incentive methods for Higher Vocational Students

First of all, the outlook on life, values and world outlook of higher vocational students have been roughly formed. Compared with high school students, their thoughts are more mature and their self-esteem is becoming stronger. Therefore, during the management work, students should be given full respect to avoid hurting their self-esteem for no reason, which will lead to rebellion. Moreover, the management of students in Colleges and universities needs to change their thinking concepts, abandon the previous rigid management mode, take incentive as the introduction point, adopt innovative methods in line with the characteristics of students, and let students actively reflect on their own shortcomings, which will help students actively cooperate with the work.

Secondly, improve students' autonomy in a variety of ways. The management of students should not remain unchanged. It is necessary to combine different educational methods to cultivate students' self-control ability, so as to realize autonomous management, promote the effective implementation of incentive methods, and provide guarantee for later work. Colleges and universities require students to join associations, student unions and

other organizations independently, so that they can feel the organizational strength in participating in activities, improve their participation enthusiasm, and guide students' independent education. Moreover, participating in various gatherings and activities during school can help students broaden their horizons, increase their self-confidence and stimulate their motivation.

Finally, establish a scientific target system. The application of incentive methods in Colleges and universities can not be divorced from reality. They need to be supported by a scientific and effective target system, and the target system should be subdivided into general objectives and stage objectives, which can lay the foundation for the later work, also reduce the difficulty and help students actively catch up. In addition, the incentive methods should be flexible and changeable, and should be adjusted according to the actual situation of students and schools to avoid excessive differences [2].

3.3 Pay attention to the training and teaching practice of class teachers

As we all know, people are the main body of all activities. If we want to fundamentally solve the problem of student management, we should pay attention to the training of professional teachers. First of all, looking at the essence through the phenomenon, management work is mainly faced with students to standardize daily behavior and learning life. Since people are the main body of practice, we should emphasize the managers' own ability, that is, the quality of class teachers determines the high and low quality of students' management work. Next, colleges and universities should regularly carry out training sessions, symposiums and exchange meetings to help teachers improve their ability and better serve the management work.

4. CONCLUSION

To sum up, the incentive mode is very necessary for the management of students in higher vocational colleges. It can improve the rigid defects and make them more gentle and humane. It is a scientific and advanced management mode and is widely accepted by students. The incentive mode takes the actual situation of students as the starting point, guides the work forward according to the standard and standard steps, and then promotes the development of students.

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Research On the Improvement Path of The Whole Process Engineering Consulting Service Capability

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Abstract: In the process of decision-making, China's engineering consulting services have formed professional consulting service formats the contradiction between the project construction and the consulting services required by the project investment and operation. How to solve the contradiction between supply and demand in the engineering consulting market, innovate the organization and implementation mode of consulting services, and transform and develop has become inevitable. Research to play to the core and key role of professionals in the engineering consulting industry, improve the whole process engineering consulting service capability, and put forward methods to solve prominent contradictions.

Keywords: Engineering Consulting Services; The Project; Engineering Consulting Service Capability.

1. INTRODUCTION

Since the reform and open to the outside world, with the deepening of market-oriented reform, the marketization of engineering consulting services in China has developed rapidly, forming a professional consulting service format such as investment consulting, bidding agency, survey, design, supervision, cost and project management. Some consulting services have established an implementation access system. In order to better realize the investment and construction intention, investors or construction units have an increasing demand for comprehensive, cross stage and integrated consulting services in the process of fixed asset investment project decision-making, engineering construction and project operation. Consulting enterprises are facing new opportunities and challenges. It is inevitable to solve the contradiction between supply and demand in the engineering consulting market, innovate the organization and implementation mode of consulting services, and transform and develop. The core and key of consulting industry is to give full play to the role of people. How to play the role of people and how to improve the whole process engineering consulting service capability is a problem worthy of attention.

2. ANALYSIS ON THE COMPOSITION OF ENGINEERING CONSULTING SERVICE CAPABILITY IN THE WHOLE PROCESS

2.1 Policy requirements

The Ministry of housing and urban rural development has established pilot areas and enterprises for the whole process of engineering consultation, and various provinces and cities have also issued a list of regional pilot enterprises to encourage pilot enterprises to actively explore service methods, service standards, work contents,

organizational structure, personnel requirements, business processes, entrustment methods, billing modes, system construction, service management system, etc. A whole process engineering consulting service system has been formed to meet the requirements of the reform of construction project organization and management mode in China. The policy emphasizes the need to strengthen and improve the enterprise organization and personnel structure, cultivate a talent team suitable for the development of the industry, build the core competitiveness of the enterprise, and cultivate the capability to not only provide comprehensive and diversified services, but also provide one-stop integrated services for systemic problems.

2.2 the capability of requirement list

The whole process consulting service capcapability is the embodiment of a comprehensive capcapability born from the inside and echoed by the inside and outside, which covers two levels. Internally, it is the integration of resources owned by the enterprise and the embodiment of the enterprise's comprehensive capability; External is the embodiment of the enterprise's capability to provide construction services to the owner, including engineering consulting services such as bidding agency, survey, design, supervision, cost and project management. The whole process engineering consulting service capability should be integrated and applied various internal and external resources meet the needs of the owner and realize the service capability required for the value-added of the project.

2.2.1 The basic guarantee capabilities includes the basic qualification performance, brand appeal, ability to attract and retain talents.

2.2.2 Professional and technical capabilities include the enterprise's project management capability, pre project planning capability, design management and optimization capability, bidding procurement and contract planning capability, construction stage planning and control capability, whole process engineering consulting capability of PPP, EPC and other types of projects, BIM assisted whole process engineering consulting capability, legal consulting capability and risk prevention capability.

2.2.3 Comprehensive management capabilities includes enterprise organization calling ability, communication and coordination ability, overall planning ability, learning and innovation ability ,information technology and the good professional ethics ability.

Carrying out the whole process engineering consultation is the integration of basic guarantee, professional

technology and comprehensive management of construction projects. Break the fragmented management mode and integrate the technical consulting services in the whole process of construction projects such as early investment decision-making, survey, design, supervision, bidding agency and cost. The engineering consulting talents in the whole process should be high-level, comprehensive and compound talents who understand economy, technology and management.

3. STRATEGY AND IMPLEMENTATION PATH FOR IMPROVING THE WHOLE PROCESS ENGINEERING CONSULTING SERVICE CAPABILITY.

3.1 Promotion strategy and implementation path of basic support capability

The integration of consulting enterprises into the whole process of engineering consulting services should be realized through continuous resource integration. Small enterprises can broaden the company's business scope, improve market share and expand enterprise strength through joint operation and large enterprises through M & A, so as to accumulate performance, and establish enterprise brand through high-quality services. we should promote the standardization and standardization of internal management of enterprises, constantly strengthen employees' business learning, keep up with the pace of the times, innovate the mechanism of attracting and retaining talents, and cultivate talents with knowledge reserves in economy, technology, management and law through market-oriented talent selection mechanism, building a reasonable salary incentive system and improving talent promotion mechanism, Realize the common development of enterprises and employees.

3.2 Promotion strategy and implementation path of professional and technical capability

To a great extent, the professional and technical capability reflects the business scope of the whole process engineering consulting enterprise and the possibility of developing the market. The whole process engineering consulting unit should innovate the talent training mode, improve the consulting level and expand the consulting depth and breadth. It is suggested to set up training procedures according to the talent level consulting needs and capability requirements. Aiming at the content of professional consulting services in each stage of the life cycle, build a professional team of engineering consulting in the whole process, realize the complete connection of the early decision-making, survey and design, bidding and procurement, construction and completion stages of the

construction project, the full integration of various elements such as cost, construction period, quality and safety, and the all-round link of various disciplines such as technology, economy, management and law, Provide better services for the owner and realize the value-added of the project.

3.3 Promotion strategy and implementation path of comprehensive management capability

To a certain extent, the competitive advantage and value creation capability of enterprises come from learning capability and innovation capability. The improvement of comprehensive management capability can be achieved by establishing a standardized and perfect knowledge management training system, creating a learning environment through external purchase by small enterprises and internal discussion by large enterprises, regularly combing and evaluating the professional shortcomings of talents, and listing them in the plan to strengthen training. Through scientific and systematic talent echelon training planning, cultivate talent diversification capability, and improve the overall planning, communication and coordination capability of professionals. In addition, consulting enterprises should also keep up with the development of informatization, master BIM and other informatization software, establish enterprise informatization data platform, and improve their business capability and management level through informatization management, so as to effectively improve their comprehensive management capability.

4. CONCLUSION

The whole process engineering consulting service capability is the key to improve the whole process engineering consulting service level and improve the quality of consulting service. The whole process engineering consulting service capability is becoming more and more important. Only by actively improving the whole process engineering consulting service capability and innovating talent training.

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Analysis Of the Influence of New Accounting System on Financial Management in Colleges and Universities

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Abstract: With the gradual improvement of the development of China's education industry, part of the management system is unreasonable and backward, so that the management system will face great reform and change. In recent years, institutions of higher learning both in terms of development and in terms of scale will grow, and financial management is more demanding, which makes the financial management of colleges and universities not meet the development conditions of modern colleges and universities. This paper mainly introduces the content of the new accounting system in colleges and universities, deeply analyzes the impact of financial management in colleges and universities, and puts forward reasonable measures to quickly adapt to the new financial accounting system in colleges and universities.

Key Words: New University Accounting System; Financial Management; Influence; Measures

1. CONTENTS OF FINANCIAL MANAGEMENT IN UNIVERSITIES

1.1 Strictly abide by laws and regulations

In the process of financial management, colleges and universities must abide by the relevant national laws. First of all, colleges and universities must have qualified qualifications for running schools. Under the condition of ensuring that colleges and universities obtain legal person qualifications, they need to recognize their own responsibilities and assume effective tasks. In the implementation of financial management activities, the content can be carried out in accordance with the law. On the other hand, financial management ensures that costs can be used properly. With the rapid development of social economy, many colleges and universities have realized the significance of normal business activities, strictly follow the conditions of economic development, and strictly control their development to obtain more economic benefits for colleges and universities [1].

1.2 Strengthen budget management

Although the new accounting system of colleges and universities does not pay attention to the significance of budget management, it will directly affect the financial management ability of colleges and universities. In fact, in the actual situation, the same as enterprise budget management, through the financial budget of colleges and universities can effectively show the actual development of learning. At the same time, the operation of colleges and universities will maintain stable development, mainly because most of the funds come from the local

government, which is conducting budget management, which can help the normal operation of colleges and universities.

1.3 Obtain various benefits

When colleges and universities are in the process of financial management, the management department must pay attention to various economic benefits, ensure that financial management can have direct contact with each department, and effectively maintain close connection with internal management. On the one hand, colleges and universities need to constantly adjust and improve the direction of economic interests in their daily operation, which is conducive to the growth of long-term interests and current interests at the same time. On the other hand, in order to stable state, the economic interests of the students, the school, must be the overall observe the operating conditions of colleges and universities, to ensure that the school and individual, teachers can maintain a good rapport, which in the working status and school supply resources have a great difference, even on the type, quantity, requirements of responsibility assignment cannot be consistent, only by way of rational distribution, the administrative department In order to play an effective management role.

2. THE INFLUENCE OF THE ACCOUNTING SYSTEM OF NEW COLLEGES AND UNIVERSITIES ON FINANCIAL MANAGEMENT

2.1 Expand financing channels for universities

From the latter part of last century, colleges and universities began to recruit students extensively, which gradually transformed meticulous teaching into extensive teaching mode. The size of the school will continue to increase, enhance the learning capacity and level, so as to meet the learning requirements of many people. Due to the continuous increase in the number of students, if the cost is tight in the expansion of the scale, some colleges and universities will incur debts, which will lead to a lot of financial pressure in the development of colleges and universities. In addition, different education modes are introduced into the financial management of colleges and universities, and many financing forms will appear. However, due to the different financing forms, there will be many changes in risks. The rapid change of college environment forces the reform of accounting system in colleges and universities in our country. In order to promote the development level of colleges and universities, promote the comprehensive development of colleges and universities. The emergence of the new accounting system has improved the previous lack on the

original basis. New accounting system in colleges and universities can set up projects such as income and the balance so that the school finance director can clearly see the whole structure and content of funds, a reasonable reference system, actively optimize the institutions of higher learning management department and the finance charge concept, balance and balance of external financial budget and the school itself and other related property management respectively, To ensure that the cost of institutions of higher learning can be effectively managed in both revenue and expenditure of financial management [2].

2.2 Improve cost accounting and income and expenditure in colleges and universities

The new accounting system needs to rely on the accrual basis standard to take a reasonable distribution of revenue and expenditure, effectively reflects the financial situation of colleges and universities, the traditional accounting system failed to categorize revenue and expenditure clearly, so the accounting system in the new college is reasonable distribution. For "education expenditure", "logistics support expenditure", "administrative expenditure" and other subjects reasonable adjustment, better and institutions of higher learning fund raising and income and expenditure projects to take an overall development, effectively ensure the cost of the project and cost clear allocation and management, so as to show the importance of cost accounting and management.

Fixed assets are the compulsory requirements of educational work and activities in colleges and universities. For this behavior, the traditional accounting system does not include depreciation items, resulting in the mismatch between the fixed assets of colleges and universities and the real data in the asset measurement, and the existence of false property behavior, which cannot guarantee the accuracy of the cost accounting results of colleges and universities. The emergence of the new accounting system in colleges and universities strengthens the depreciation of fixed assets and satisfies the accrual basis and educational cost accounting conditions.

2.3 Improve the integrity and effectiveness of financial management data in colleges and universities

In the financial management of colleges and universities in the process, fixed assets will occupy a lot of weight, but compared with the traditional accounting system does not cover the accurate calculation, so that the financial statements cannot really reflect the value of fixed assets, and severe lack of depreciation management behavior, and not the budget out of fixed equipment maintenance cost, so as to realize the reliability of the financial data still need

to improve. In order to deal with similar problems fundamentally, it is necessary to strengthen and improve the integrity and effectiveness of financial data, promote the new accounting system of colleges and universities to add depreciation management items of fixed assets in colleges and universities, and choose appropriate ways and periods for depreciation items, and set up accumulated depreciation, accumulated amortization, solve property losses and other contents. Therefore, the new accounting system can effectively improve the reliability of asset accounting and ensure that the assets and financial management of colleges and universities can be truly reflected [3].

3.CONCLUSION

With the continuous development and expansion of the society, the emergence of the new accounting system in colleges and universities has brought many beneficial effects on the financial management of colleges and universities, and promoted the education model in colleges and universities is gradually improving. In order to ensure the normal implementation of educational activities in colleges and universities, we must combine the new accounting system to take the financial management of colleges and universities as the key object, use modern financial management methods, strengthen and enrich the financial management system. At the same time, during the formal implementation of the new accounting system, promote the financial management of colleges and universities along the direction of modernization, scientific, information progress, can fundamentally deal with the financial management of colleges and universities, for the stable implementation of college education activities to lay a good foundation.

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Analysis On the Reform of The Carrier of Ideological and Political Education in Colleges and Universities in The Big Data Era and Countermeasures

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Abstract: With the advent of the era of big data, it has caused a certain degree of impact on all walks of life. For ideological and political education in colleges and universities, it has directly promoted the transformation of education carriers, making the physical objects, media, management, and activities of education The carrier, etc. have undergone changes to a certain degree, and colleges and universities need to change the teaching strategies according to the carrier's reform, so that the teaching concept can adapt to the development requirements of the big data era.

Keywords: The Era Of Big Data; Colleges And Universities; Ideological And Political; Educational Carrier; Countermeasures

1. INTRODUCTION

As an important content of college education, ideological and political education in colleges and universities, with the continuous advancement of education reform, its importance has become increasingly prominent. Strengthening the ideological and political education of students has become the focus of the current work of colleges and universities. In particular, the advent of the era of big data brings new challenges and opportunities to college education, and at the same time promotes the transformation of the carrier of ideological and political education in colleges and universities. This article mainly explores the reform and countermeasures of ideological and political education carriers in colleges and universities in the era of big data.

2. THE TRANSFORMATION OF IDEOLOGICAL AND POLITICAL EDUCATION CARRIERS IN COLLEGES AND UNIVERSITIES IN THE ERA OF BIG DATA

The carrier of ideological and political education refers to the medium used by educators to achieve the purpose of education. It is mainly responsible for connecting educators and students. This carrier of ideological and political education cannot be simply defined as a certain object. Places, activities, etc. can all become the carrier of education. Under the influence of the era of big data, the carrier of ideological and political education has also changed. According to its nature, it can be divided into the following categories:

2.1 Physical carrier

In the traditional physical carrier of ideological and political education, blackboard writing, textbooks, etc. are mainly used as the carrier of education. Under the

influence of big data, the physical carrier is developing in the direction of informatization and dataization, such as multimedia education equipment, etc. The main carrier of ideological and political education in colleges and universities [1].

2.2 Media carrier

Media carrier refers to the communication medium in the education process. Among the traditional media carriers, paper materials are the main communication media. The advent of the era of big data makes the Internet the main source of information for us, WeChat, QQ Internet social platforms such as, Weibo, etc. greatly facilitate people's communication, and the teaching resources on the Internet also provide a boost to the development of ideological and political education in colleges and universities.

2.3 Management carrier

Management carrier refers to the rules and regulations that promote the integration of ideological and political education with management in the process of carrying out ideological and political education, such as classroom discipline requirements, etc. The current management carrier has broken through the restrictions of the classroom, making ideological and political education integrated into students' In daily life, it has a subtle influence on students.

2.4 Activity carrier

Activity carriers are various types of activities carried out to promote students' ideological and political literacy. In conventional ideological and political education, offline activities such as class meetings, theme evenings, and practical activities are the main ones, and the active participation of every student cannot be guaranteed. In the era of big data, the forms of activity carriers are more abundant, which promotes the formation of online activities, which greatly enhances the enthusiasm of students to participate, and helps improve the effect of ideological and political education in colleges and universities.

3. ANALYSIS OF COUNTERMEASURES FOR IDEOLOGICAL AND POLITICAL EDUCATION IN COLLEGES AND UNIVERSITIES IN THE ERA OF BIG DATA

In response to the changes brought about by the ideological and political education carrier of colleges and universities in the era of big data, colleges and universities must take measures to adapt to the development requirements of the new era, mainly from the following

aspects:

3.1 Changing educational concepts

With the transformation of educational carriers, traditional educational concepts can no longer adapt to the development of the new era. Therefore, educational concepts must be changed. In the previous ideological and political education in colleges and universities, teaching relied on textbooks, and teaching content was limited to textbooks. Under the influence of big data, teachers should learn to apply big data technology to collect, sort and analyze teaching content, especially Collecting current hotspots, so as to combine ideological and political education with social reality, get rid of the hollow and theoretical problems of traditional ideological and political education, turn ideological and political into a common element in student life, and train students to explore ideological and political elements in life, From the second to cultivate students' autonomous learning ability. By improving the learning ability of students, the transformation of teaching concepts can be realized, and students can become the leaders of teaching, which can truly stimulate students' enthusiasm for learning. Pay attention to the interaction with students in teaching, and use multimedia methods to realize real-time communication with students, so as to realize the extension of the ideological and political education classroom. In short, the key to changing the educational concept is to get rid of the shackles of traditional teaching ideas, learn to apply the information network to teaching, so as to realize the diversification of educational carriers, and to promote the improvement of the effect of ideological and political education in colleges and universities in the new era.

3.2 Create a teaching environment

In the era of big data, colleges and universities need to create a good teaching environment for students' ideological and political education and achieve network coverage to meet teaching needs. In some colleges and universities today, the information construction of teaching is not emphasized. On the one hand, the school lacks information equipment, which fails to provide sufficient resources for ideological and political teaching. On the other hand, teachers still use traditional teaching in the teaching process. Means, using blackboards and books as the main carrier of education, has led to failure to make full use of big data resources. Therefore, colleges and universities must strengthen the construction of basic informatization facilities for ideological and political education, and provide teachers and students with necessary equipment, so as to promote the informatization of ideological and political classrooms in colleges and universities [2]. Teachers must continue to improve their informatization literacy, actively use multimedia equipment in the teaching process, and learn to use big data technology to prepare lessons, so as to create an informatized teaching environment. In addition, the relevant education departments must also do a good job in optimizing the system, supervise the network environment, so as to protect the teaching environment of students, and promptly punish users who maliciously spread false or

false information on the network, and at the same time impose penalties on colleges and universities. Carry out the informatization teaching of ideological and political education with certain funds and equipment support to promote the further improvement of the application level of colleges and universities.

3.3 Improve the quality of talents

The transformation of education carrier also puts forward new requirements for the professional qualities of college teachers. As a comprehensive course, ideological and political education does not only exist in ideological and political courses, but all disciplines must pay attention to the integration of ideological and political education. Realize all-round ideological and political education for students. In the era of big data, college teachers are required to have both professional ideological and political teaching literacy, as well as data analysis and other informatization methods. Therefore, colleges and universities should pay attention to improving the informatization literacy of teachers. On the one hand, colleges and universities should pay attention to the introduction of professionals who have both ideological and political literacy and can flexibly apply big data technology to meet the development requirements of the new era. On the other hand, colleges and universities should cultivate the information literacy of existing teachers, especially for ideological and political literacy. As far as teachers and counselors are concerned, as the main role of students' ideological and political education, they must improve the digital and informatization methods of teaching, so as to adapt to the changes in the carrier of ideological and political education in the new era and promote the continuous improvement of the level of ideological and political education in colleges and universities.

4.CONCLUSION

In summary, the continuous development of the Internet has promoted the advent of the era of big data. In this process, it has brought new opportunities for the development of ideological and political education in colleges and universities. In view of the current problems in ideological and political education, colleges and universities must seize This opportunity is to realize the combination of ideological and political education and big data technology by changing teaching concepts, creating a teaching environment, and improving the quality of talents, so that the ideological and political education of colleges and universities meets the development needs of the new era, and continuously improves the ideological culture of college students Quality, so as to cultivate a batch after batch of high-quality talents with both professional knowledge and ideological and political quality for the society, thereby promoting the development and progress of the society.

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Analysis Of the Clinical Effect of Dopamine Combined with Phentolamine on Severe Pneumonia in Children

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Abstract: Objective To explore the clinical effect of dopamine combined with phentolamine on severe pneumonia in children. Methods Ninety children with severe pneumonia treated in our hospital from May 2020 to May 2021 were selected and included in the study. They were randomly divided into two groups. The control group received 45 cases of conventional symptomatic treatment, and the observation group received 45 cases on this basis. Dopamine combined with phentolamine treatment. Observe the clinical treatment effect of the two groups of children. Results The total effective treatment in the observation group was 91.11%, and the total effective treatment in the control group was 75.56%. There was a statistical difference between the two groups ($P < 0.05$). Conclusion Dopamine combined with phentolamine can effectively relieve the clinical symptoms of severe pneumonia in children, and the treatment effect is obvious. **Keywords:** Dopamine; Phentolamine; Severe Pneumonia

1. INTRODUCTION

Pediatric pneumonia is a clinically common respiratory disease in infants and young children, and it is also the main disease that causes death in infants and young children. Affected by seasonal factors, the incidence is higher in winter and spring. The disease is mainly caused by pathogen infection or allergic reaction, which in turn causes lung inflammation. The clinical manifestations are mainly cough, shortness of breath, fever and other symptoms [1]. If treatment is not taken in time, severe pneumonia will develop with the development of the disease, and cause serious complications such as heart failure, respiratory failure, toxic encephalopathy, shock, etc., which will have a higher risk of death and will seriously threaten the physical and mental health, growth and development of children [2]. At present, the clinical treatment of severe pneumonia in children is mainly based on conventional treatment such as anti-infection and oxygen inhalation, but there is a gap between the effect and expectations. For this reason, this article mainly discusses the clinical efficacy of dopamine combined with phentolamine on severe pneumonia in children. The results are reported as follows.

2. MATERIALS AND METHODS

2.1 General information

A sample of 90 children with severe pneumonia treated in our hospital from May 2020 to May 2021 was selected as the research object, and they were divided into two groups according to a random number table. Among the 45 cases in the control group, 25 were males and 20 were females;

ages were 2 months to 5 years, with an average of (2.15 ± 0.24) years old. Among the 45 cases in the observation group, 23 were males and 22 were females; they were 1 month to 4 years old, with an average of (2.21 ± 0.19) years old. Comparing the basic information of the two groups, there is no significant difference ($P > 0.05$), and comparison can be carried out.

Inclusion criteria: in line with the diagnostic criteria for severe pneumonia in children set by the WHO; clinical data is complete; the family members of the children understand the differences in the research plan, and voluntarily participate in the research and sign.

Exclusion criteria: severely dysfunction of liver and kidney organs; severe infectious and immune diseases; combined with bronchitis, congenital heart disease and other primary diseases; allergic to the study drug; children with epilepsy and cerebral palsy.

2.2 Method

The control group took pediatric routine treatment, including oxygen inhalation with face mask, cough and asthma, heart strengthening, diuresis, and anti-infection.

On the basis of the above measures, the observation group was given dopamine combined with phentolamine, 0.5mg/kg of dopamine and 1.0mg/kg of phentolamine were made into a mixture with 30ml of 10% glucose solution, and intravenous drip was performed. 4 to 6 hours each time, treatment twice a day for 5 consecutive days.

2.3 Observation indicators

Efficacy criteria: After treatment, the symptoms of dyspnea, hypoxia and cyanosis in the child are significantly reduced, and a little dry and wet rales can be heard on auscultation of the lungs, indicating significant effects. After the treatment, the child's symptoms such as dyspnea, hypoxia and cyanosis have been relieved, and a little dry and wet rales can be heard on auscultation of the lungs, indicating that it is effective. After treatment, the child had no change in symptoms such as dyspnea, hypoxia and cyanosis, and dry and wet rales could be heard on lung auscultation, indicating that it was invalid. Total effective rate = (markedly effective + effective) / total number of children $\times 100\%$.

2.4 Statistical analysis

Use SPSS21.0 software to perform statistical analysis on the data, use $[n(\%)]$ to represent the count data, use χ^2 to test the data between groups, and $P < 0.05$ as the difference is statistically significant.

3. Results

The total effective treatment in the observation group was 91.11%, and the total effective treatment in the control

group was 75.56%. There was a statistical difference between the two groups ($P < 0.05$), see Table 1.

Table 1 Comparison of treatment effects between the two groups of children [n(%)]

Group	Number of cases	Markedly effective	efficient	invalid	Total effective rate
Control group	45	20(44.44)	14(31.11)	11(24.44)	34(75.56)
Observation group	45	29(64.44)	12(26.67)	4(8.89)	41(91.11)
χ^2					8.706
P					0.003

4. DISCUSS

In children with severe pneumonia, the lung tissue is invaded by inflammation, which leads to mucosal edema in the bronchi and bronchiole, and gradually narrows the lumen. At the same time, the alveolar wall is fully thickened, and finally causes abnormal lung ventilation and ventilation function [3]. Severe pneumonia causes severe damage to children's lung function, causing symptoms such as dyspnea, hypoxia and cyanosis. Because the clinical signs of early onset of pneumonia are not significant, including diarrhea, decreased appetite, etc., parents often do not pay enough attention to it, which leads to aggravation of the disease. Severe pneumonia can easily cause system dysfunctions such as digestion and breathing. In severe cases, organ failure may occur, and even the death of the child may occur. Therefore, how to effectively treat severe pneumonia has always been the focus of clinical attention.

Dopamine is a kind of endogenous catecholamines, which can increase the excitability of dopamine α and β receptors, increase renal blood flow, accelerate blood circulation, and promote urine excretion in the body, thereby maintaining the body's water, electrolyte and acid-base balance [4]. Phentolamine belongs to an alpha-receptor blocker, which can dilate local small arteries and veins, thereby reducing the pre- and post-load of the heart. At the same time, phentolamine can activate β receptors, enhance myocardial contractility, promote vasodilation, increase cardiac output, and achieve the purpose of improving cardiac function [5]. From the results of this study, the total effective treatment of the observation group was

91.11%, which was significantly higher than that of the control group 75.56%. There was a statistical difference between the two groups ($P < 0.05$), which suggests that dopamine combined with phentolamine can effectively relieve children. The clinical symptoms of severe pneumonia have obvious therapeutic effects. Phentolamine has a good short-term β -blocker function, which is beneficial to reduce the concentration of carbon dioxide in the blood in the body, accelerate the metabolism of lung tissue, and promote the excretion of metabolites. However, the effect of phentolamine alone is not obvious, and the combined use of dopamine can further enhance the excitatory effect on β receptors, thereby effectively alleviating the symptoms of bronchospasm.

In summary, the combined use of dopamine and phentolamine in children with severe pneumonia in children has a good clinical effect, can significantly improve disease symptoms, and can be promoted clinically.

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Thoughts On the Supply of Rural Public Sports Services Under the Background of Rural Revitalization

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Abstract: Since the 19th National Congress of the Communist Party of China put forward the strategy of "Rural Revitalization", it has provided important guidance for China's rural development. Under this background, the construction of rural public sports service has achieved some results. However, in the long-term development process, there are still many problems in the supply of rural public sports services. This paper mainly expounds the supply of rural public sports services under the background of rural revitalization, and puts forward relevant solutions to help realize rural revitalization as soon as possible.

Key Words: Rural Revitalization; Public Sports Services; Supply

1. INTRODUCTION

"Rural Revitalization" strategy is the key decision-making and deployment made by the party and the state to solve the problems of "agriculture, rural areas and farmers". The implementation of this strategy is related to the fundamental livelihood of the broad masses of farmers and is of great significance to achieve the goal of industrial prosperity, ecological livability and affluence in rural areas [1]. Rural public sports is an important part of rural revitalization construction. Farmers are the main body to promote rural economic development. The realization of Rural Revitalization goal is inseparable from farmers. Only farmers have strong physical quality can they better invest in agricultural production. However, at this stage, there is a certain lack of supply of rural public sports services, which greatly restricts the construction of rural sports.

2. THE SUPPLY OF RURAL PUBLIC SPORTS SERVICES UNDER THE BACKGROUND OF RURAL REVITALIZATION

First of all, the government still occupies the dominant position in the current supply of rural public sports services. The funds for the construction of rural sports undertakings mainly come from government financial support or sports lottery public welfare funds. The insufficient participation of social capital and forces also increases the financial pressure to a certain extent. The data show that the capital investment in rural public sports services accounts for only 0.82 of the national financial expenditure, and the capital investment in sports services in rural areas is seriously missing [2]. At the same time, due to the long formation cycle, large initial investment and slow income of public sports services, the fund-raising of rural public sports services is facing many

difficulties, which greatly undermines the enthusiasm of social capital participation. Secondly, at present, rural public sports services mainly focus on hardware construction such as basic sports facilities, and pay insufficient attention to software services such as physical fitness monitoring and fitness guidance, which is not conducive to the formation of a good sports atmosphere in rural areas. Finally, despite the increasing investment in rural public sports services and the initial scale of basic sports facilities, the management of sports facilities has not been promoted simultaneously, and the follow-up management and maintenance work is seriously missing, which is also related to the current situation of the shortage of rural sports talents.

3. SOLUTION PATH OF RURAL PUBLIC SPORTS SERVICE UNDER THE BACKGROUND OF RURAL REVITALIZATION

3.1 Promote the diversification of rural public sports service providers

Social forces are an indispensable part to achieve the goal of Rural Revitalization. In the supply of public services, the government is no longer the only subject, but needs the joint cooperation of the government, social forces and villagers to promote the diversification of the supply subject of rural public sports services [3]. Firstly, the government should further increase the capital investment in the construction of rural public sports services, including the supply of hardware services such as sports facilities and places on the one hand, and the supply of software services such as fitness guidance and sports monitoring on the other hand. The implementation of these sports service supply needs sufficient financial support. At this stage, the funds related to sports service supply in China usually stop at the county level, and there is a temporary lack of corresponding sports capital investment in rural areas. Therefore, in the supply of rural public service funds, the government needs to increase the proportion of sports public services and gradually improve the subsidy policies related to rural public sports services. Secondly, the government encourages more social forces to participate in the supply of rural public sports services. At present, many successful college students have made contributions to the construction of rural sports, which requires simultaneous provision of corresponding policy and financial support, increasing support for social forces, highlighting the position of rural public sports service supply of social forces, and maximizing the role of social forces. Finally, the government needs to guide the villagers to realize independent supply, do a good job in

the publicity and education of local villagers, make them realize that rural public sports service is for their own fitness needs, improve the villagers' sense of responsibility, spontaneously establish a management team, and be responsible for the daily management and maintenance of sports facilities

3.2 Use the Internet platform to realize the intelligent development of rural public sports services

The deep integration of the Internet and traditional industries is the inevitable product of social development. Under the background of the Internet, "Internet + sports" meets the spiritual needs of the people in the new era. Especially under the implementation of the "digital village strategy", it will further promote the intelligent development of rural public sports services. At present, the fitness awareness of villagers in rural areas is still slightly weak. In view of this situation, we should actively use new media technology to vigorously publicize sports fitness knowledge, sports culture and fitness guidance to villagers. For example, official account and fitness APP are adopted to push relevant sports knowledge for villagers, so that sports can be imperceptibly become part of the villagers' life and improve the enthusiasm of participating in sports fitness. At the same time, at this stage, there is no good combination between rural sports, medical treatment and the Internet, and physical service monitoring is difficult to find in rural areas. Therefore, it is necessary to deeply integrate sports and medical treatment. This is because the current medical cost is still a big expense for the villagers. At the same time, the chronic diseases such as diabetes, hypertension and so on, which come from the improvement of living standard are increasing. To go to the hospital more is to take drug therapy, and to improve physical quality through physical exercise is a more convenient and practical way. Therefore, it is necessary to popularize physical fitness service monitoring in rural areas, especially in local township health centers, which is the main place for villagers to benefit from Internet + sports.

3.3 Vigorously build rural sports talent team

At present, rural areas are generally faced with the problem of lack of sports talent resources. First, vigorously promote the implementation of the project of sports going to the countryside. The government and public institutions take the lead in carrying out a series of projects to benefit the people, enrich villagers' spiritual activities, improve the construction of grass-roots sports facilities, and create a positive sports atmosphere. At the same time, colleges and universities encourage sports students to go deep into rural areas to carry out social

practice activities, perform social service functions, and provide professional sports services for villagers. The practice can be used as evaluation indicators such as credits and excellence evaluation. On the one hand, improving college students' personal practical ability, on the other hand, cultivating the consciousness of contributing to the society is of great benefit to the cultivation of contemporary applied talents. Secondly, give full play to the advantages and roles of villagers and rural sports organizations, guide and organize sports loving villagers to establish management teams, conduct centralized guidance and training, realize independent management and maintenance of public sports facilities, carry out sports activities independently, and contribute to the development of rural sports.

4. CONCLUSION

To sum up, the Rural Revitalization Strategy has a positive impact on solving the development of rural public sports services, and provides a broader space for the construction of rural public sports services. At present, the problems of single supply subject, lack of management, insufficient human resources and low utilization rate of rural public sports services are still serious. Therefore, we need to rely on the rural treasure strategy to reform the rural public sports service system and promote the sustainable and healthy development of rural sports from the aspects of improving the supply subject, strengthening the construction of sports talent team and deeply integrating with the Internet.

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Exploration On College English Teaching Mode of Cultivating Speculative Ability

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Abstract: In the operation of modern education industry, English subject teaching occupies a very important position. Under the influence of the new curriculum reform standards, the traditional educational ideas and methods can not meet the needs of modern teaching work, which has a great impact on the growth and development of students themselves; In order to change this situation, College English teachers need to actively change the traditional educational concept, optimize the teaching mode and atmosphere, cultivate students' speculative ability and innovate teaching and evaluation methods at the same time of daily teaching, so as to promote the improvement of modern college students' English professional quality and speculative ability, Lay a solid foundation for students' healthy and stable growth and development. The following mainly analyzes and explores the College English teaching mode of cultivating speculative ability.

Key words: Speculative ability; College English; Teaching training

1. SPECIFIC OVERVIEW OF SPECULATIVE ABILITY

Generally, the so-called speculative ability mainly refers to critical thinking, which can be divided into two aspects: thinking and discrimination. Among them, the process of analyzing, reasoning and judging something with the participation of the brain is called thinking, while discrimination is mainly based on the specific situation of a thing, and then analyze, judge, distinguish and judge the type of the thing The process of induction; In the process of College English teaching, by strengthening the development of speculative ability teaching, students can cultivate their speculative and critical thinking abilities, provide great convenience for later teaching, and then promote the progress and improvement of students' English professional level [1].

2. THE ADVANTAGEOUS ROLE OF COLLEGE ENGLISH TEACHING IN CULTIVATING STUDENTS' SPECULATIVE ABILITY

2.1 Comply with the requirements of the new curriculum reform standards

With the passage of time, the new curriculum reform standards have been fully and deeply implemented in the modern education industry. As the base of talent training, in order to comply with the reform of modern education and improve the development level of quality education, relevant teachers need to actively change the traditional education ideas and models and strengthen the cultivation of students' speculative ability, In this process, we should cultivate and improve students' thinking ability, analysis and judgment ability, so as to promote the all-round

development of students' comprehensive quality and provide sufficient guarantee for the healthy development of College English teaching.

2.2 Ensure students' healthy growth

On the other hand, by strengthening the combination of College English teaching and the cultivation of speculative ability, college leaders need to pay more attention to this aspect of teaching and the needs of social talents, and cultivate students' thinking, analytical ability and innovative spirit in the process of daily teaching, so as to comprehensively improve their comprehensive quality and ensure their later learning Work can fully adapt to the requirements of social construction and development, so as to promote students' healthy and stable growth and development.

3. COMMON PROBLEMS IN MODERN COLLEGE ENGLISH TEACHING

3.1 Lack of advanced and effective teaching ideas and models

The research shows that due to the influence of traditional examination oriented education concept and other factors, when English Teaching in some colleges and universities is carried out, relevant teachers still use traditional and old teaching methods, teachers occupy the dominant position of classroom teaching, and students are only in a passive position. In addition, there are few teaching contents, imperfect teaching facilities and low communication level between teachers and students, As a result, the classroom teaching atmosphere is poor, which greatly weakens the students' learning enthusiasm, and then affects the level and quality of College English teaching and the cultivation of speculative ability.

3.2 Insufficient professional quality of relevant teachers

As an important part of modern teaching process, teachers determine the actual teaching level and instruction; However, in the process of English teaching and speculative ability training in some colleges and universities, due to the deep influence of traditional ideas, relevant teachers lack sufficient understanding and attention to speculative ability, and their own speculative ability is insufficient. When students have confused problems in their study and life, teachers can not guide and encourage them in time, which affects the normal and stable learning and development of students, Further reduce the overall development level of English Teaching in modern colleges and universities [2].

3.3 Lack of students' independent learning and thinking ability

In addition, when English Teaching in modern colleges and universities is carried out, there will be a lack of students' autonomous learning and speculative ability;

This is mainly due to the lack of attention paid by relevant teachers and college leaders to the teaching of speculative ability, the main goal in the process of daily teaching and assessment is still to improve students' achievement level, the students' innovative thinking, speculative ability, thinking, analysis and judgment ability can not be effectively trained, and the lack of teaching content, And the binding force on students in the process of daily teaching is small, which limits the improvement of students' learning enthusiasm and initiative, and then affects the healthy growth and development of students in the later stage.

4. SPECIFIC COUNTERMEASURES TO STRENGTHEN COLLEGE ENGLISH TEACHING AND CULTIVATE STUDENTS' SPECULATIVE ABILITY

4.1 Pay more attention to speculative ability

At present, in order to strengthen the cultivation of students' speculative ability in the process of College English teaching, relevant teachers and college leaders first need to strictly follow the policy requirements of the education department, actively change the traditional educational concept and pay more attention to the cultivation of speculative ability; In the daily teaching process, college leaders need to regularly organize teachers to participate in speculative ability training lectures and other activities, clarify the importance of speculative ability training to modern college English teaching and students' own growth and development, and improve the teaching contents and facilities, so as to lay a good foundation for the smooth progress and development of speculative ability training teaching in the later stage.

4.2 Strengthen the innovation of teaching mode

In the past, due to the neglect of relevant teachers and college leaders, there was a lack of effective teaching model in the process of English teaching and the cultivation of speculative ability, which limited the improvement of teaching level and hindered the growth and development of students themselves; In order to change this situation, relevant teachers need to clarify the importance of speculative ability to modern college English teaching, innovate teaching mode, enrich teaching resources, optimize teaching atmosphere and improve students' interest in learning according to teaching progress and content, so as to ensure the healthy development of College English teaching.

4.3 Strengthen the organization of English practice activities

Usually, due to the practical characteristics of English teaching, students can consolidate and strengthen their English professional quality by participating in practical activities to ensure the smooth progress of the later learning process; In the process of English Teaching in modern colleges and universities, relevant teachers can cooperate with college leaders to actively organize competition activities such as English speech, reading and debate, guide students to actively participate, cultivate and improve their own speculative ability, and improve their enthusiasm for English learning [3].

5. CONCLUSION

To sum up, College English, as an important part of modern education, has a great impact on the growth of students and the overall development of the education industry; Therefore, in the actual teaching process, in order to comply with the requirements of the new curriculum reform standards and comprehensively improve students' comprehensive quality, relevant teachers need to actively change traditional ideas, strengthen the integration of speculative ability training and daily teaching, introduce modern teaching technology and equipment, enrich the content of teaching resources and optimize the teaching atmosphere, While improving students' professional quality, cultivate their own thinking ability, thinking, analysis, innovative thinking and ability, so as to meet the social demand for English majors to the greatest extent, so as to promote the further development of modern education industry and society as a whole.

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Research On the Application of Bim Technology in Prefabricated Buildings

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Abstract: The development of modern social economy and science and technology has promoted the development of the construction engineering industry. In the continuous development of society, the advancement of science and technology has made the development of the construction engineering industry a variety of building forms, and the emergence of multiple building forms is also satisfying. In order to meet people's diverse needs for living, prefabricated buildings are a common way in the current construction industry. In the process of continuous development of society, prefabricated buildings have also been technologically upgraded. This technical upgrade has effectively promoted prefabricated buildings. With the development of technology, the application of BIM technology in prefabricated buildings can effectively improve the problems in the construction process, and effectively improve the construction quality and efficiency of prefabricated buildings. This article mainly analyzes and studies the application of BIM technology in prefabricated buildings.

Keywords: Bim Technology; Prefabricated Building; Application; Research

1. OVERVIEW OF BIM TECHNOLOGY

Simply put, BIM technology is a technology that uses multimedia technology. The main operating principle is to integrate information based on construction-related data, and display the integrated data through a three-dimensional model, so that construction personnel can follow the three-dimensional model To carry out related work. The application of BIM technology in prefabricated construction projects can systematically manage the information in construction, so BIM technology can be called a new type of information management system. In the construction of prefabricated buildings, BIM technology is often used in construction design. During the construction and post-construction stages, it also brings a full range of supervision and management to the construction party, so that the construction party can intuitively view the actual situation of the building construction through the computer.

BIM technology has two major characteristics, mainly visualization and multi-discipline. To put it simply, multi-discipline is that the technology can design collaboratively for multiple professions. The application of BIM technology in management can greatly improve the efficiency of management. In simple terms, visualization is the ability to simply and intuitively express the complex and large number of projects in the construction project. This kind of expression cannot be achieved by drawings. BIM technology mainly uses 3D digital processing and

analysis of project data. Processing, eventually forming a shared information resource [1].

2. FEATURES OF PREFABRICATED BUILDINGS

Simply put, prefabricated building is a construction method in which some building structures used for construction are prefabricated before the formal construction, and after the prefabrication of the building structure is completed, it is transported to the construction site for installation. This construction method conforms to the current green, The development concept of environmental protection is widely used in the current construction industry. Through the research and analysis of prefabricated buildings, we can see that prefabricated buildings have the following characteristics:

2.1 Low environmental pollution

The prefabricated building is very different from other buildings. Since the prefabricated building is a construction method that is assembled in the construction site through prefabricated components, more work is not carried out on the construction site, so it will reduce The environmental pollution of the small construction team. In the past, the concrete, sand and mixture were often stored near the construction site. The prefabrication of the concrete was also carried out at the construction site. These materials will generate a lot of dust. Secondly, the construction is in progress. There are more construction materials used, so there will be more waste generated during construction. These waste materials and dust will pollute the surrounding environment of the construction, and the construction of prefabricated buildings will avoid these problems.

2.2 The construction period is relatively short

Compared with traditional construction methods, the construction of prefabricated buildings only requires the installation of prefabricated components, so the time used will be greatly shortened. In the prefabrication of components, due to the large structure of the components, mechanical equipment is usually used. The splicing of the components can also effectively save the use of manpower. In addition to reducing environmental pollution and saving construction time to a certain extent, prefabricated buildings can also effectively improve the accuracy of the structure. Compared with traditional buildings in the past, problems such as penetration and cracking can be obtained for prefabricated buildings. Effectively reduce, in addition, it can also improve the building's thermal insulation, sound insulation and fire protection performance. It is precisely because prefabricated buildings have more advantages and the cost of construction is lower, so in the current social development Get more applications [2].

3. APPLICATION OF BIM TECHNOLOGY IN

PREFABRICATED BUILDING CONSTRUCTION

3.1 Application in the design phase

The design of the drawings is the preparatory work before construction, which has a direct impact on the quality of construction and the smooth progress of the construction. Therefore, it is extremely important to ensure the reasonable design of the drawings. The site is surveyed, and the survey data is used to provide a basis for the drawing design. In the previous surveys of construction sites, manual surveys will cause certain errors in the measured data. When the data has large errors, the drawing design will be unreasonable, which will affect the quality of the prefabricated construction. Applying BIM technology to prefabricated construction projects can use the GIS positioning technology in BIM technology to collect information on the construction site when surveying the construction site. BIM technology can also integrate the collected information and build a three-dimensional model. In this way, the drawing designer can understand the relevant information of the construction site through the model, so as to realize the most rational design of the drawing.

In the production of components in prefabricated buildings, BIM technology can be used to set tags for each component, and record the information of the component, so that the management personnel who make the component only need to use the database to check the various information of the component. Understand that the use of BIM technology can effectively improve the efficiency of component production and the efficiency of management.

3.2 Application in the construction phase

There are many factors in the construction process that will affect the construction. Before the formal construction of the prefabricated building, the rationality of the construction plan will be verified. In the past verification methods, the verification efficiency is slow and inaccurate. However, the application of BIM technology can compare multiple schemes through models, and select the most reasonable scheme for use. Through the display of the model, the problems in the scheme can be discovered and solved in time. Secondly, in the process of project bidding and bidding, in the past, the calculation of construction costs was determined based on the experience of the employees, and only a rough calculation of the cost could be made. This is due to the data in the construction project. The amount of data is large, and it is difficult for people to master and use this

kind of data, so it can only rely on experience, which will make it difficult to control the construction cost of the construction project. The use of BIM technology can quickly integrate and calculate the data in the project, which is not only effective. Improve the calculation efficiency and accuracy rate, and also effectively control the construction prefabrication cost [3].

3.3 Application in the decoration phase

The use of BIM technology in the building decoration process can be used for interior rendering through the visual characteristics of BIM technology. Through the use of BIM technology, it can effectively optimize the design for the decoration, and intuitively show the unreasonable places in the decoration design through simulation. And to improve it to provide refined design and installation guidance for decoration.

4. CONCLUSION

While social development improves people's living standards, people's requirements for the living environment are getting higher and higher. Buildings are places where people live. In order to ensure the safety of people's living, the quality of buildings should first be guaranteed. Therefore, in order to effectively control the quality of buildings. To upgrade, the prefabricated construction technology should be upgraded by using BIM technology. The application of BIM technology runs through the entire process of prefabricated buildings. Although BIM technology can effectively improve the construction quality of buildings in prefabricated buildings, There are also some problems in the application. In order to make the prefabricated buildings continue to develop, it is necessary to solve the problems arising from the application of BIM technology.

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Research On the Characteristics of Jiangnan Folk Culture in Erhu Performance Style

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Abstract: China has a long history, vast territory and numerous folk customs. Influenced by different regional cultures and folk activities, it has formed a variety of music cultures and different Erhu performance styles. The erhu performance style in Jiangnan area is famous for its tactful and elegant, soft and delicate, and lyrical fluency. It expresses people's love for the beautiful scenery of Jiangnan Water Town and gives people visual and auditory enjoyment. Through the data collection and field investigation of the geographical environment and folk activities in the south of the Yangtze River, the author discusses the influence of folk activities in the south of the Yangtze River on the erhu performance style.

Key words: Erhu performance style; Jiangnan region; Folk culture

1. INTRODUCTION

Erhu, also known as "huqin", originated in the Tang Dynasty and has a history of thousands of years. It is a traditional stringed instrument with Chinese characteristics. It is the successor of China's long history and national folk culture. Because its timbre is close to human voice and has rich emotional expression, it is more in line with the aesthetic needs of the people in the south of the Yangtze River, so it is deeply loved by the people in the south of the Yangtze River. With its unique geographical environment, Jiangnan has shaped a typical southern character of tenderness, delicacy and tenderness, laying the foundation for the erhu playing style. Many folk beliefs in Jiangnan promoted the prevalence of folk activities and created opportunities for the survival and development of erhu. In folk activities, erhu, the accompaniment instrument in the ensemble performance of local operas and instrumental music in the south of the Yangtze River, has fully absorbed its musical style and formed a musical style of euphemism, elegance, tenderness, delicacy and lyricism. By introducing the geographical environment and folk activities in Jiangnan, this paper discusses the influence of folk activities in Jiangnan on the style of Erhu performance.

2. INTRODUCTION TO JIANGNAN REGION

The geographical meaning of "Jiangnan" mainly refers to the middle and lower reaches of the Yangtze River and the south of the Yangtze River. Its terrain is mostly plain, and a small number of mountains and hills. Due to the influence of the natural environment, it has humid climate, four distinct seasons, beautiful scenery, sufficient rainfall, and has formed many rivers, promoting the prosperity and development of the south of the Yangtze River. In modern times, as long as we talk about the south of the Yangtze River, people's minds will gush out cultural symbols that

can show the unique scenery of the south of the Yangtze River, such as antique, Wunong soft language, long sound of rowing and so on. Now "Jiangnan" is no longer limited to the meaning of a single geographical level, but also represents the meaning of the cultural level. In the breeding of thousands of years of history and culture, it has gradually changed from a simple geographical level concept to a multi-layer concept with both geographical significance and culture. Because of the typical southern character of tenderness, delicacy and tenderness created in this environment, most of the erhu music played is also famous for its gentleness and elegance, which lays a foundation for the performance style of Erhu in Jiangnan area.

Due to its excellent geographical environment, Jiangnan has attracted many literati and scholars, promoted the rapid development of Jiangnan economy, and improved people's daily living environment and material life. In order to meet the entertainment mode of people's daily life, entertainment places have gradually developed, such as teahouses. In people's free time, it not only provides a place for people to drink tea and chat, but also a place for people's entertainment. The teahouse employs artists specializing in literary and artistic performances. Most of them sing local operas and quyi in the south of the Yangtze River. Erhu is the accompaniment instrument used in singing. It can be seen that erhu has become a frequently used musical instrument in people's daily entertainment life. In the entertainment of teahouses, the ensemble performances of local operas, folk art and folk instrumental music in Jiangnan area have been prosperous, which has greatly promoted the development of Jiangnan Silk and bamboo music and provided materials for the style of Erhu performance in Jiangnan area.

3. FOLK ACTIVITIES IN JIANGNAN AREA ARE THE BIG STAGE OF ERHU PERFORMANCE STYLE

3.1 Historical development of folk custom activities in Jiangnan area

"Folk custom" is a kind of folk culture. It contains "as long as human beings in social life, from goods production to daily life, from material needs to spiritual needs, and then from psychological activities to oral expression, and then extended to behavioral performance, all kinds of Customs produced in all processes are handed down from generation to generation". Folk custom is the product of the broad masses of the people, spread among the people, and integrated in every bit of our daily life. The folk customs mentioned in this paper mainly refer to the folk beliefs associated with folk music. Since ancient times, folk music is a part of folk belief, because they all contain folk characteristics. In the feudal period, people organized

various folk activities in order to reward the gods. Various kinds of folk art, folk art and folk instrumental ensemble performances gradually played an important role in folk activities. Rich and colorful folk activities are often carried out in Jiangnan area, which is an important platform for the development of erhu music culture in Jiangnan area.

Folk belief refers to the concept of God worship spontaneously formed by the people. It is common in all regions and nationalities in the world. However, due to their different geographical location, history and culture, their folk beliefs are also quite different. The earliest people living in Jiangnan area were the Wu and Yue people, who had the custom of "believing in witches and ghosts and paying attention to sexual worship" since ancient times. This custom of paying attention to sacrificing ghosts and gods made the people in the south of the Yangtze River shape many gods in ancient times, so a large number of folk ghost and God beliefs were formed. These God beliefs include natural God belief (Sun God, moon god, rain god, etc.), ancient mythological figure God belief (Pangu, Kuafu, Nuwa, etc.), industry founder God belief (Luban, Huatuo, Cai Lun, etc.), etc. there are a large number of gods, so it is necessary to establish temples and sacrifice in the temples, which naturally leads to large-scale sacrifice activities.

During the Han and Wei dynasties, Buddhism and Taoism flourished. Due to the admiration of the rulers of previous dynasties and the tradition of sacrificing ghosts and gods in the folk customs of Jiangnan area, Buddhism and Taoism have been better developed in Jiangnan area. Therefore, temples and Taoist temples are widely built in Jiangnan area, and Buddhist and Taoist culture is advocated everywhere. Followed by various folk activities organized by Buddhism and Taoism to spread culture. In many folk activities, the ceremony of folk belief activities makes monks and Taoists become the attendants and managers of folk music. Therefore, the widespread spread of Buddhism and Taoism in Jiangnan has gradually formed a long-term influence on the appreciation interest and music form of music culture in Jiangnan. For example, xuanjuan is a kind of rap method of Buddhist preaching, and then it has been developed into a kind of unique folk art form in Jiangnan area. In many Buddhist and Taoist activities, silk and bamboo music, gongs and drums were used as accompaniment, which greatly promoted the development of silk and bamboo music in the south of the Yangtze River. Hua Yanjun, a folk musician, because his father was a Taoist priest in a Taoist temple in Wuxi and knew all kinds of Taoist music. Under the influence of Taoist music culture, Hua Yanjun often participated in various sacrificial activities held by Taoism and developed into a well-known folk erhu performer. Buddhism and Taoism have set up a large number of temples, Taoist temples and folk temples of gods in a long history. They have become the primary place for folk worship competitions or other folk activities in the south of the Yangtze River. They are also the main stage for the ensemble performance of local operas, folk art and folk instrumental music in the south of the Yangtze River.

3.2 Folk activities create opportunities for the survival and development of erhu

In the long historical development, many other folk beliefs have emerged, such as folk beliefs in life and production, which have promoted folk belief activities in Jiangnan. In particular, there are many cumbersome rituals and taboos in folk weddings and funerals, including the performance of folk music and the well-known happy song in the eight major songs of silk and bamboo in Jiangnan. Therefore, in the long history, various folk beliefs, various customs formed in various historical periods, many gods shaped by the people and the culture of Buddhism and Taoism have formed a melting pot of folk beliefs and integrated them. Together, they constitute complicated folk beliefs in Jiangnan area. Virtually, the prevalence of folk belief activities has been closely integrated with people's daily life and customs in Jiangnan area. All kinds of folk beliefs have become indispensable in people's daily life and customs in Jiangnan area, and various temple fairs with temples and Taoist temples as the organization center have emerged. In temple fairs There should be a large number of ensemble performances of local operas, folk art and folk instrumental music in Jiangnan area, and erhu is their long-term accompaniment instrument and main ensemble instrument. They have fully absorbed their music style and evolved into their own unique performance style after long-term integration, creating opportunities for the survival and development of Erhu in Jiangnan area.

3.3 Take the temple fair in Wuxi as an example

During the Ming and Qing Dynasties, people in Jiangnan lived a rich life. In order to spread various folk beliefs, many temple fairs were held. Various temple fairs offering sacrifices to ghosts and gods are regarded as a festival by people. There are temple fairs every month in four seasons and twelve months, and many temple fairs need to be organized in a day. Taking the temple fair in Wuxi as an example, the author inquired many materials, such as Temple fair location and lunar calendar date, Xinqiao Town, Jiangyin: the first day of March, qiaogao'an, Jiangyin: the second day of March, Hetang Town, Jiangyin: the third day of March, Xinfang, Yixing: the third day of March, Yuqi Town, Xishan: the third day of March, Xijiao mountain, Yanqiao Town, Xishan: the third day of March, Zhaimen, Zhangjing Town, Xishan: the third day of March, junzhang mountain, suburb: the third day of March Jiangyin Wenlin Xiyang bridge: the fifth and sixth day of March. The above is only the temple fair in March of the lunar calendar in Wuxi.

Temple fairs can be seen everywhere in towns and villages in the south of the Yangtze River. We can see how frequent temple fairs and other folk activities to sacrifice ghosts and gods are in the whole south of the Yangtze River. Erhu, the accompaniment of various local operas, folk art and folk instrumental ensemble performances in Jiangnan, and an important ensemble instrument, are mostly used in Jiangnan operas and musical instruments of Tan spring (Tan spring is a kind of traditional Han folk art, which is divided into Qiantan and Houtan. Qiantan is processed according to the target songs and words of Kun Opera to make it more popular; the main theme of Houtan

is folk Flower Drum Opera) In various activities held by silk and bamboo, Buddhism and Taoism in Jiangnan, various temple fairs and folk activities need the form of opera, folk art and folk instrumental ensemble performance to set off the atmosphere and express people's enthusiasm for folk activities in Jiangnan. Among the numerous temple fairs in cities, towns and rural areas of Wuxi, the Huishan East Temple Temple Fair held on March 28 of the lunar calendar is the most grand, "folk art is rich and colorful, including dragon dance, shadow puppet playing, beach spring singing... Day and night, thousands of people are in the streets, and silk and bamboo music is not unique". From this, we can see that the temple fair is very lively and the grand performance of various local operas, folk art and folk instrumental music ensemble in Jiangnan area. It is precisely because of the prevalence of these frequent and large-scale temple fairs offering sacrifices to ghosts and gods and other folk activities that promote the better development and improvement of folk art, and make people widely feel the influence of the music culture of local opera, folk art and folk instrumental ensemble performance in the south of the Yangtze River, As an accompaniment instrument and main ensemble instrument, erhu fully absorbed their singing style and gradually formed a graceful, elegant and lyrical style in the south of the Yangtze River.

For example, temple fairs, folk weddings and other folk activities are entertainment activities held at a specific time. Another important way for Erhu to deeply integrate into people's daily life and spread widely is folk contentment. In order to further enrich their music and entertainment needs, some people will naturally learn to sing operas from others through various methods after they have touched on a variety of music cultures such as local operas, folk art and folk instrumental ensemble performances in Jiangnan in temple fairs, folk weddings and funerals or other folk activities, Of course, they also choose their favorite musical instruments to play. In their spare time, they practice local operas and folk songs to entertain themselves, so that erhu has gradually become a necessity for people's entertainment life and can be widely spread.

3.4 The influence of Jiangnan Silk and bamboo on Erhu performance style in folk activities

In temple fairs and folk weddings, Jiangnan Silk and bamboo is a popular form of folk instrumental ensemble. Silk and bamboo performers are divided into "Pilgrim string" and "full-time class club" due to different performance properties. The former is an amateur of silk and bamboo in the south of the Yangtze River, who does not charge any fee and uses guest performance to cheer up the temple fair activities, while the latter works as a class club and charges a certain fee. Jiangnan Silk and bamboo are closely related to people's daily life and various folk activities. It is the main symbol of the music culture of "Jiangnan Water Town". It has strong social function and unique cultural heritage. Jiangnan Silk and bamboo, as the name suggests, is composed of silk string instruments and bamboo wind instruments, as well as some percussion instruments. Stringed instruments include erhu, pipa, etc;

Bamboo wind instruments include flute, Xiao, etc; Percussion instruments include bell, drum, etc. In the temple fair activities, the most classic is the walking street in the eight major songs of silk and bamboo in the south of the Yangtze River. In the Temple Fair tour, players need to walk in the street and play at the same time. Because its melody is warm and cheerful, the melody is comfortable, full of life flavor, and can express people's joy in the temple fair activities, it is well-known.

Fine is the most prominent highlight in the performance style of silk and bamboo in Jiangnan. When playing together, the voice parts of each instrument not only contain their own unique personality, but also are harmonious with each other. In the traditional performance skills, a variety of performance techniques such as high and low errors and alternation of complexity and simplicity are also supplemented. Later, the slow development has become the characteristic style of "small", "fine", "light" and "elegant". Erhu is an important musical instrument in Jiangnan Silk and bamboo. Therefore, in this atmosphere for a long time, the erhu performance style in Jiangnan area has naturally been influenced by Jiangnan Silk and bamboo. Jiangnan Silk and bamboo music was originally developed and produced by the scattered folk silk and bamboo music. In the long growth process, silk and bamboo music has absorbed the singing styles of local operas and folk art in Jiangnan. In addition, people's demand for entertainment life and aesthetic standards have been continuously improved, so as to further improve the aesthetic requirements of silk and bamboo music, and gradually form a graceful, elegant, soft, delicate The lyrical and smooth music style reflects the hard-working, simple and implicit personality characteristics of the people in the south of the Yangtze River, and expresses the praise and love of the people in the south of the Yangtze River for the beautiful scenery of their hometown. Most of the music of silk and bamboo in Jiangnan comes from folk weddings and funerals and folk music often used in temple fairs. Another part is classical music that has been spread among the people for a long time, which has important folk cultural heritage. Erhu, as one of the main instruments of silk and bamboo in Jiangnan, continues the excellent music culture of silk and bamboo in Jiangnan. In the long-term development process, he kept adapting, integrating and creative development, and inherited the performance style of Jiangnan area. Zhou shaomei loved to practice all kinds of silk and bamboo instruments since she was a child, and was proficient in erhu and other instruments. Because of his superb performance skills, Liu Tianhua, Hua Yanjun and other famous folk performers in the south of the Yangtze River have studied from him. Therefore, Zhou shaomei has an influence on Liu Tianhua's many music works. In the long-term hard practice, Zhou shaomei innovated in the traditional Erhu performance and evolved the application of upper, middle and lower position fingering, which pushed the development of silk and bamboo in the south of the Yangtze River to a high point. His work "Yu Shun fumigation song" is still talked about by people. It is no exaggeration to say that he has made

outstanding contributions to the development of erhu music culture in Jiangnan area and even the long-term development of Chinese Erhu music culture.

4.CONCLUSION

Through the above description, we can understand that the erhu performance of Jiangnan style is not only a derivative of Jiangnan culture, but also an indispensable part of Jiangnan culture. The prevalence of folk activities in Jiangnan has a great impact on the performance style of erhu. It provides an important performance platform for the development of erhu. At the same time, it is also inseparable from the great contributions of Erhu performers such as Zhou shaomei and Hua Yanjun. In the frequent and rich temple fairs, erhu is the accompaniment instrument in the local opera, folk art and folk instrumental ensemble performance in the south of the Yangtze River. It has fully absorbed the local music style and gradually formed a gentle and elegant, soft and delicate, lyrical and smooth music style. Music culture is a different language, which is limited to many factors, such as local geographical living environment, historical language environment, customs, aesthetic standards and so on. Therefore, there will be great differences in the local music languages in different regions. Depending on the excellent geographical location and beautiful living environment, Jiangnan region has shaped a typical southern character of tenderness, delicacy and tenderness. Their emotional expression is also more implicit and euphemistic, which has laid the foundation for the erhu playing style in Jiangnan region. The material life has been met, and the demand for spiritual life has begun to increase, which has promoted the development of local opera, folk art and folk instrumental ensemble performance in Jiangnan area. Their accompaniment and important ensemble instrument erhu are gradually known, and provide a lot of materials for the performance style of erhu. Temple fairs and other folk activities in Jiangnan are the big stage for the ensemble performance of local operas, folk art and folk instrumental music in Jiangnan. They also

create a good opportunity for the rapid development of erhu music culture and are the peak period for the formation of Erhu performance style.

Erhu is an important national musical instrument in China, which reflects the history, culture and aesthetic concept of the Chinese nation to a certain extent. The unique music culture in Jiangnan is a wonderful flower of Chinese culture, and the erhu performance style in Jiangnan is integrated into Chinese music culture, which greatly shows the broad and profound, aesthetic concept and implicit beauty of Chinese national culture. While carrying forward and spreading the music culture in the south of the Yangtze River, more people should understand and love the erhu music in the south of the Yangtze River, and learn and carry forward the erhu music culture.

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Research On the Ways to Strengthen the Education of Party Members of College Students in The New Situation

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Abstract: In recent years, as the number of college student party members has increased day by day, some problems in the education and management of college student party members have also become prominent, such as focusing on development and neglecting training, focusing on theory and neglecting motivation, focusing on preaching and neglecting practice; focusing on form and neglecting supervision, etc., investigate the reasons. This is because the form of education management is rigid and single, the party member assessment system is not sound, the party workers in colleges and universities do not pay enough attention to the ideology, and the training of party members for college students is not detailed and comprehensive. For this reason, in the process of education and management of college student party members, the party group of colleges and universities must correct their thinking and establish a sense of comprehensive training and development; focus on the construction of the party branch secretary team and improve the professionalization of its professional level; formulate a complete education management system, Strictly focus on systematic training from entrance to exit; in the evaluation system, a multi-faceted evaluation system that is connected to the society is constructed, which forces the high-quality training of college student party members.

Keywords: College Student Party Members; Education; Path

1. INTRODUCTION

College student party members occupies a dominant position among college party members, and they are the leading figures and mainstays in the student body. In the new era, strengthening the education and management of college student party members and giving full play to their pioneering and exemplary role will help attract and gather outstanding young people in colleges and universities into the party's ranks and great undertakings. However, in recent years, as the number of college student party members has been steadily increasing, some problems in the training, education, and management of college student party members have also become increasingly prominent. How to strengthen the training and education of college student party members and give full play to the group of student party members in college young students The role of the banner of the Chinese Communist Party and the continuous enhancement of the influence of college student party branches is worthy of deep consideration. Innovating the education and management

model of college student party members and promoting the reform of the education and management model of college student party members can lay a solid organizational foundation for cultivating qualified socialist builders and successors.

2. Current situation of education and management of college student party members

At present, the number of college student party members in our country is constantly increasing, and the students' sense of party membership is gradually increasing. If the large number of student party members can set an example in all aspects and play a role as a banner, it will greatly motivate ordinary students to continue. Progress. However, the extensive development model of college student party members has led to problems such as "work hard before joining the party, and relax half after joining the party".

2.1 Emphasize development, neglect training

At present, in the construction of grassroots party branches in colleges and universities, there is a problem of pursuing the number of party members and ignoring the quality of training. According to the survey, 48.38% of college student party members believe that there is a problem of "paying attention to the training of activists for joining the party and ignoring the training after joining the party". The quantity of development is a "hard indicator", measurable, and easy to achieve results; the quality of party members is a "soft task", difficult to measure, and the effect is not significant. Therefore, if there is no firm view of the quality of party member education, it is easy to go astray in pursuit of quantity and neglect quality.

2.2 Focus on theory, not motivation

At present, colleges and universities generally adopt a theoretical knowledge-based educational management model for the education and management of student party members. Whether it is preaching to ordinary students, training activists, or educating formal party members, all are based on party theory, Routes, guidelines, policies, etc. are the main content, but less attention and education are paid to college students' motives for joining the party. A survey on the problems in the education of party members among college students shows that 17.65% of college student party members have the problem of "insufficient education on the motives for joining the party". The education on the motives of joining the party is carried out in the form of special topics, or interspersed with explanations in other topics.

3. PROBLEMS IN THE EDUCATION AND MANAGEMENT OF COLLEGE STUDENT PARTY

MEMBERS

There are many reasons for the emergence of the problem. The system, mechanism, college party workers, and college student party members themselves all have areas that need to be further improved and improved.

3.1 Mindful thinking, lack of effectiveness at work

Under the new situation, some college party organizations have not yet realized the problems in the training, education and management of student party members, and have not fully realized the importance and urgency of improving the education and management of student party members. Situation; In addition, some party organizations cannot accurately grasp the ideological status and behavior characteristics of contemporary college students, and ignore the students' ideological reality and hot spots of concern, resulting in a lack of pertinence and effectiveness in the education and management of student party members.

3.3 Highlight theoretical study and one-sided work

In reality, some party organizations focus their work on learning the party's line, principles, policies, and other theoretical knowledge, and neglect the management of other aspects of party members, resulting in a lack of systematic, continuity, pertinence and effectiveness in the management of party members. The mechanism is unsystematic and one-sided.

4. WAYS TO IMPROVE THE EDUCATION AND MANAGEMENT OF COLLEGE STUDENT PARTY MEMBERS

To strengthen the education and management of party members of college students, we must establish a comprehensively cultivated sense of quality, grasp the main contradictions, and improve the relevant system.

4.1 Establish a comprehensive quality view of education management

In the education and management of student party members, colleges and universities should give full attention and be included in the important agenda of party and government work. From the perspective of all-round development, set the goals of student party members' education and management, and strive to cultivate socialism with firm beliefs and aspirations. Builder. An outstanding Communist Party member must always strictly demand himself, not only in his ideology, but also in his study, work and life, whenever and wherever he is, he must be the standard of an outstanding Party member and truly become a "red flag of mobility."

4.2 Do a good job in the construction of the student party building team

The train runs fast, relying on the headband. In the work of college student party building, the party branch secretary plays a leading role. With the development of the times and changes in the ranks of student party members, party organizations at all levels must take effective measures to appoint students' party branch secretaries with specialized personnel who are specifically responsible for student party building work. In the selection and selection of party branch secretaries, the quality is strictly controlled, and outstanding party members who are truly dedicated, capable, trustworthy,

ethical, knowledgeable, and capable of management are promoted to the posts of branch secretaries.

4.3 Improve the institutional guarantee system

Sound and complete rules and regulations are the prerequisite and guarantee for doing a good job in all kinds of work. At present, there are still some systems that need to be strengthened for the education and management of college student party members, such as the daily education and training system for student party members, the democratic life meeting system for party members, the party dues payment system, the party organization relationship transfer system, etc., to ensure the education and management of college student party members Carry out methodically.

4.4 Establish a multi-faceted evaluation mechanism

In order to make the evaluation more objective, true and effective, in the evaluation of college student party members, on the one hand, the school party branch, student party members themselves, classes, dormitory students, etc. are evaluated. On the other hand, a social evaluation mechanism is introduced to conduct various party member activities. After the completion of the evaluation, the relevant personnel will score, in order to build a multi-faceted evaluation mechanism, increase the scientificity and objectivity of the evaluation, so as to make the college student party members develop in an all-round way, give full play to the exemplary and leading role, and then make the college student party building work motivated. Effective, rewards and punishments are well-founded.

5. CONCLUSION

To strengthen the education and management of college student party members, we must be good at discovering existing problems and innovating systems and mechanisms in a timely manner. Only then can the party's important ideas and theories be transformed into the conscious awareness of party members and internalized in all aspects of college student party members' study, life, and work. It gives full play to the role of role models and banners, leading and driving more young students to actively move closer to the party organization, and become a firm practitioner and disseminator of important ideas such as the core values of socialism!

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Discussion On Application of Medium and Deep Hole Blasting Technology in Underground Mining of Metal Mines

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Abstract: The development of the national economy and industry is inseparable from mineral resources as a solid foundation. Currently, mining efforts continue to increase. Medium-deep hole blasting is a technology widely used in the process of underground mining of metal mines, and it plays a key role in improving the efficiency of underground mining of metal mines. However, in the process of practice and application of the medium and deep hole blasting technology, due to the influence of many factors, there are still many shortcomings in the relevant technology. Based on this, this article first briefly explains the advantages of the medium and deep hole blasting technology, and then analyzes the influencing factors in the application of the medium and deep hole blasting technology, and deeply discusses the optimization strategy of the medium and deep hole blasting technology in the underground mining of metal mines. The practical application of medium and deep hole blasting technology provides a reference basis.

Keywords: Metal Mine; Underground Mining; Medium And Deep Hole Blasting

1. INTRODUCTION

Blasting is one of the important links in the mining process of underground mines, and the medium and deep hole blasting technology is a common production technology. It has the characteristics of short operation time and high efficiency, and has played an indispensable role in the underground mining of metal mines [1]. However, medium and deep hole blasting has high requirements for various process technologies. How to optimize the process flow such as the initiation method and the calculation of the depth of the blasthole is the key concern of the underground mining personnel of metal mines. For this reason, this article mainly discusses the application of medium and deep hole blasting technology in underground mining of metal mines.

2. ADVANTAGES OF MEDIUM AND DEEP HOLE BLASTING TECHNOLOGY

In recent years, with the continuous optimization and improvement of metal mine production technology and processes, the mining efficiency and quality of domestic metal mines have been improved to varying degrees. In the process of mining and production, rock drilling and blasting has always been a major difficulty in the industry, and the application of medium and deep hole blasting technology in the mining of ore blocks has significantly reduced the difficulty of mining and greatly improved the efficiency of mine production. The advantages of medium

and deep hole blasting technology are mainly summarized in the following aspects.

2.1 Improve mine production efficiency and safety

The medium-deep hole blasting technology is applied in the mining process. On the one hand, it reduces the frequency of use of blasting equipment, and on the other hand, it also avoids excessive consumption of drilling tools. In addition, the application of medium and deep hole blasting technology enables better use of blastholes. According to relevant data, the application of medium and deep hole blasting technology during mine mining has increased the utilization rate of blastholes by more than 20%, and has greatly improved mine production efficiency [2]. At the same time, due to the application of medium and deep hole blasting technology, less blasting materials are used than in the past, ensuring the safety of blasting and indirectly improving the safety of mine production.

2.2 Reduce mine production costs

The application of medium and deep hole blasting technology in the process of rock drilling and blasting can greatly accelerate the production speed, and the medium and deep hole blasting technology is conducive to reducing the use of related facilities and equipment and reducing production costs. For example, it can significantly reduce the utilization rate of ventilation facilities and excavating machinery and equipment, shorten the overall mining operation cycle, directly reduce related manpower, material and financial inputs, and control production costs within a reasonable range [3]. In addition, the application of medium-deep hole blasting technology in the mine production process can shorten the mining period of the ore block on the basis of unchanged operators and equipment, and lay a solid guarantee for subsequent mining.

3. INFLUENCING FACTORS IN THE APPLICATION OF MEDIUM AND DEEP HOLE BLASTING TECHNOLOGY

Medium and deep hole blasting technology has many advantages when applied to underground mining of metal mines, but in long-term practice, it is still susceptible to interference from many factors, which directly negatively affects the blasting effect. The influencing factors mainly include the following points.

3.1 Medium and deep hole drilling construction

Charge, blasting, falling ore, etc. are all affected by the quality of medium and deep hole drilling, and the effect of medium and deep hole drilling is also closely related to the handling and recovery of ore [4]. In addition, the

drilling of medium and deep holes directly affects the cost of medium and deep hole blasting, the workload of operators, and the degree of blasting safety. Generally speaking, each medium and deep hole on the horizontal line inside a metal mine has a long construction period. At the same time, factors such as the mine geology during the construction of the medium and deep hole and the horizontal blasting vibration near the middle section will also affect it, leading to related construction Damage, even some of the deep holes will be misaligned, blocked, etc. This not only caused a substantial reduction in the charge of medium and deep hole blasting, but also indirectly affected the effect of medium and deep hole blasting.

3.2 Quality of blasting facilities

The quality of the blasting facility itself is closely related to the effect of medium-deep hole blasting. When the quality of the blasting facility is not good enough, the initiation of the medium-deep hole in the front row does not take effect normally, and the medium-deep hole in the rear row lacks blasting free surface, which causes a series of abnormal blasting and other situations.

3.3 The overall quality of the operator

The professional ability, work experience and comprehensive quality of blasting operators are closely related to the quality of medium and deep hole blasting, and the effects of blasting work are also different under different operators. Therefore, an important prerequisite for ensuring the effect of medium and deep hole blasting is to standardize the operating procedures and methods of charging by operators. From the summary and analysis of actual work, it can be seen that human factors are mainly reflected in the following aspects. First, the lack of relevant preparations. The operator did not carefully check the integrity of the blast hole wall before charging, which caused the penetration and plugging of the deep hole to be unable to be timely. It was found that the blast hole was not cleared, and the explosive was directly charged without taking safety protection measures, which made the blasting safety lower. The second is that the detailed management has not been implemented. Due to the difference in the angle judgment of the operator and the difference in the personal operation level, the roof, pumice, etc. were not thoroughly cleaned during the blasting at the scene. During the blasting process, vibration occurred near the blasting area, and the pumice dropped. The detonating tube is damaged, causing a rejection of the explosion. Once the refusal of blasting occurs, the blasting can only be re-implemented. However, in this stage, the medium-deep-hole explosives are in a humid environment for a long time, which makes the explosive performance and effect decrease to a certain extent, which directly affects the medium-deep-hole blasting effect. Then there is the restriction of objective conditions. Under normal circumstances, the mine tunnel space is relatively narrow, which makes the medium and deep hole charging space relatively narrow. During the charging process, the operator often appears unstable standing, which causes the charging force to be small and the loading Problems such as low drug density and low drug charge. The last is the impact of the charging facility. Due to the influence of

human operation factors during charging, the low-wind adjustment function of the charging device inside the charging facility is abnormal, and the low-wind adjustment does not meet the standard. During the process of drawing and pulling the drug delivery pipe. It is easy to cause pipe pinching, pipe running, etc., which directly affects the density of the medium and deep hole charging, and then has a negative impact on the effect of the medium and deep hole blasting.

3.4 Free surface of medium and deep hole blasting

During the blasting process, after the rock mass around the charge pack is blasted, it forms a contact section with the air, which is the blasting free surface. The free surface is an important cause of the blasting funnel, and it plays a key role in medium and deep hole blasting. At the present stage, in the application process of medium and deep hole blasting technology in underground mining of metal mines, the common method of charging is still carried out manually. Therefore, during the actual charging period, it is easy to be interfered by the subjective consciousness of the operator, and it is impossible to accurately judge the free surface of the medium and deep hole blasting, which will cause the advanced blasting situation, and the free surface cannot be fully utilized, which affects the blasting quality.

3.5 Blasting compensation space

The effect of medium-depth hole blasting will be affected by the blasting compensation space. If the blasting compensation space is too small, it will inhibit the blasting and prevent the normal release of medium-depth hole blasting energy, which will adversely affect the quality of medium-depth hole blasting. Therefore, in the process of medium and deep hole blasting, it is necessary to reserve reorganization compensation space in advance. Since the effect of the front row mid-deep hole blasting is closely related to the rear row blasting effect, when the quality of the current row blasting is not good, the resistance line of the back row mid-deep hole blasting will rise, and the compensation space will decrease, which may easily cause the rear row to fail to detonate normally., Causing the phenomenon of over-extrusion blasting, increasing the risk of blasting, and affecting the blasting effect.

4. THE OPTIMIZATION STRATEGY OF MEDIUM AND DEEP HOLE BLASTING TECHNOLOGY IN UNDERGROUND MINING OF METAL MINES

It can be seen from the above that the application effect of medium and deep hole blasting technology is affected by many factors. Therefore, it is necessary to adopt practical and effective optimization strategies to ensure the quality of medium and deep hole blasting and give full play to the role of medium and deep hole blasting technology in underground mining of metal mines.. Specific optimization from the following aspects.

4.1 Create the best conditions for blasting

Providing the best blasting conditions is an important basis for improving the effect of medium and deep hole blasting and ensuring the quality of blasting. First, it is necessary to scientifically and reasonably evaluate the actual conditions of medium and deep hole blasting at the underground mining site of metal mines, and to reserve

sufficient compensation space for medium and deep hole blasting based on the status quo of medium and deep hole blasting. At the same time, before using the medium and deep hole blasting technology, the output of metal ore needs to meet the relevant standards, that is, the compensation space coefficient is above 20%, which can better reflect the advantages of the medium and deep hole blasting technology [5]. Second, on the basis of the compensation space for medium and deep hole blasting, further adjust and optimize the form and charge of medium and deep hole blasting. Third, since the lack of free surfaces is the main reason for the clip production, it is necessary to ensure that there are enough free surfaces at the vertical cutting boundary. Fourth, adopt the same segment detonation method for the same row of deep holes to maximize the effect of the free surface and ensure a good detonation quality. Fifth, for deep hole initiation, a combination of detonating tube, detonating cord and detonator can be adopted, which is conducive to improving the stability of blasting transmission. Sixth, it is necessary to clean and dispose of the medium and deep holes that are not up to the standard in time, and ensure that the charge of the deep holes meets the relevant requirements. Seventh, before deep hole charging, carefully check the quality of the blasting equipment to prevent the application of unqualified blasting equipment in medium and deep hole blasting, and ensure the effect and safety of blasting.

4.2 Optimization of blasting parameters for medium and deep holes

Combining the actual conditions of metal mines and rationally optimizing the relevant parameters of the medium and deep hole blasting technology, the advantages of the medium and deep hole blasting technology can be better utilized. First of all, it is necessary to improve the parameter of the minimum resistance line in the medium and deep hole blasting technology. In the process of ore crushing, internal power is formed, causing related detonation gas and blasting stress. The blasting stress can easily cause cracks in the ore and rock, and the detonation gas will pass through. Such fissures cause the ore to be further broken. The effect of the blasting stress wave itself is closely related to the distance from the center of the blasting source. The longer the distance from the center of the blasting source, the weaker the effect of the blasting stress wave. Combining this feature, the blasting stress wave can be divided into three areas, namely shock wave action area, elastic wave action area and compression wave action area. The ore rock fragmentation is concentrated in the two action areas of shock wave and compression wave. The action area of this area is generally about ten to fifteen times the radius of the charge. After the action area is larger than this action area, only the explosive gas can be used to throw the rock mass to achieve the crushing effect. Secondly, it is necessary to optimize the parameter of blast hole density coefficient. Gas thrust and reverse stress are the basis for blasting ore. If the hole bottom distance is small, a weak surface will be generated in the blast hole. However, in the middle and deep hole blasting, the blasting energy is

dispersed from the weak surface, resulting in insufficient blasting energy to be fully utilized, resulting in a smooth blasting phenomenon. At the same time, the dispersion of blasting energy will also cause partial fragmentation of the ore rock and produce more large pieces. Therefore, it is necessary to rationally optimize parameters such as the hole bottom distance and adjust the blast hole density coefficient based on the actual situation of the mine. Finally, it is necessary to clarify the consumption of explosives, which is one of the important reasons that affect the quality of medium and deep hole blasting. When the explosive is consumed too little, it is easy to cause problems such as incomplete blasting, which affects the blasting effect. Excessive consumption of explosives will also lead to waste of resources and increase the cost of blasting. At present, the explosive consumption is mainly determined according to the formula $q=Q/A$. Q represents the quantity of explosives and A represents the volume. Relevant studies have found that it is most reasonable to maintain q at 0.3-0.4.

4.3 Improving the medium and deep hole blasting process

For the improvement of the medium and deep hole blasting technology, it is mainly carried out from three aspects. First of all, it is necessary to determine the scientific detonation interval. Millisecond blasting is conducive to weakening the effect of seismic blasting, and can significantly improve blasting fragmentation and blasting quality. But the effect of millisecond blasting is also closely related to the control of millisecond time. From the perspective of the utilization of blasting capacity, based on the residual stress, the time difference between the first blasting charge and the subsequent blasting charge is controlled at about 5~35ms; based on the impact of the rocks, it is necessary to reserve for the blasting of the rock mass. Sufficient time provides enough free surface for subsequent blasting, and the micro difference time is controlled at about 20-50ms. Secondly, it is necessary to further increase the density of the blast hole charge, do a good job of training the relevant personnel, improve the actual operation ability of the operators, and ensure that the charge is completed in strict accordance with the standardized process during the blasting process, and through the intervention of human factors to ensure effective blast hole loading Drug density. In addition, the specific charge of each blast hole shall be recorded in detail. If the charge is found to be unqualified, it shall be dealt with in time. Finally, do a good job of filling the blast hole. After filling the blast hole, the filling process should be carried out immediately. This is beneficial to enhance the effect of blasting gas and strengthen the blasting effect.

4.4 Strengthen operator training

The operator's own factors have an important influence on the quality of medium and deep hole blasting. Therefore, strengthening the professional training of operators is a key way to improve the effect of medium and deep hole blasting and give full play to the advantages of medium and deep hole blasting. First, blasting units need to pay attention to the training of relevant technical operators, use special lectures, seminars and other forms to promote exchanges, improve theoretical foundation and practical

ability, and continuously enhance professionalism. Second, do a good job of blasting safety training, strengthen the training of detailed safety management techniques for medium and deep hole blasting, strengthen safety awareness and sense of responsibility, and ensure the safety of medium and deep hole blasting.

5.CONCLUSION

To sum up, the medium-deep hole blasting technology has the advantages of safety and efficiency, reducing production costs, etc., and is widely used in the current underground mining of metal mines. However, the actual application of metal mine underground mining is still vulnerable to many factors such as the quality of blasting equipment, the overall quality of operators, the free surface of blasting, and the space of blasting compensation. Therefore, it is necessary to combine the actual situation of the metal mine, from the aspects of optimizing the medium and deep hole blasting parameters, creating the best blasting conditions, improving the medium and deep hole blasting process, and strengthening personnel training as the starting point, continue to optimize the medium and deep hole blasting process, and improve the medium and deep hole. The application effect of blasting technology makes it better serve the underground mining of metal mines, and provides solid

technical support for improving mine production capacity and saving production and operating costs.

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Comprehensive Health Vs Public Sports Service: Quality Development, Dilemmas and Coping Strategies

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Abstract: National health as a national strategy to promote the concept of Comprehensive health into the hearts of the people, speed up the development of public sport services is the basic guarantee of China from a major sport country to a world sport power. Through the analysis of the concept of Comprehensive health and the current situation of public sports service, this paper holds that the main body of public sports service supply is single, the sports facilities are insufficient and old, the social sports guidance personnel and management are lacking and the operation mode is primitive, as well as the fund source of public sports activities is single and short. Put forward countermeasures to solve the above problems are as follows: improving the construction of laws and regulations on public sports service, regulating the development of public sports, connecting with talents in colleges and universities, strengthening the construction of social sports instructors and management personnel, transferring public sports service to digitalization and intelligentization, promoting the sharing of school sports resources, etc.

Key Words: Comprehensive Health; Public Sports; Dilemma and Coping Strategies

1. INTRODUCTION

1.1 The origin of Comprehensive health concept

As the continuous improvement of the quality of life and living standards, the cognition of health concept from no disease and pain to physical, psychological and social adaption health (proposed by the World Health Organization), until the concept of Comprehensive health. Comprehensive health is put forward based on the social development, social needs and disease spectrum changes, as well as the result of the integration and action of many factors. Comprehensive health revolves around a person's whole life, including birth, old age, illness and death; It covers all aspects of the individual, including food, clothing, shelter and transportation. The concept of comprehensive health is the core of the national health values, which emphasizing human including physiological and psychological aspects - social and ecological harmony, as well as pursuing the unity of nature and man, of body and mind; To achieve holistic and comprehensive health of the whole society, including physical health, mental health, as well as improve the quality of life.[1]

In 2015, *Healthy China & Beautiful China* were included

in the Communist Party of China (CPC) Central Committee's Recommendations for *The 13th Five-Year Plan for Economic and Social Development*, raising the level of national strategy. The big health industry will usher in a period of rapid development, and national health is in an important strategic position of national development. Sport is a vital means to prevent diseases and improve the physical fitness of the people, and an indispensable part of building a healthy China. A series of policy documents issued by The State Council, including outline of National Fitness Program, Several Opinions of The State Council on Promoting the Development of Health Service Industry, Healthy China 2030 Plan Outline, and National Fitness Plan (2021-2025), have promoted national fitness participation and achieved phased results. Public sport service plays an important role in people's sport activities.

1.2 Analysis of the relationship between Comprehensive Health concept and public sport services

Firstly, public sport service provides a basic guarantee for people's physical health. The increasingly close relationship between health and sport makes mass sport develop better and better under comprehensive health. Public sport service is an important part of China's sports cause and an important link to realize the health of the masses in China. It is related to the physical and mental health, physical fitness and happy life of the masses.

Secondly, public sports services should meet the needs of the public for sport and fitness places, enjoy high-level sports events and provide knowledge lectures or sports activities related to health activities, and so on. Public service includes public sport service, led by government and coordinated by society and market, which usually are in the process of meeting sport demand.[2] Public sport services, which are the derivative of school sport and the basic guarantee of social sport, provide the people with lifelong sport venues and services.

Thirdly, the development of public sports services should be placed in the context of building a "healthy China". We should give top priority to people's health and incorporate health into our policies and measures to build public sport services. We should ensure people's health in an all-round, whole-cycle, equal and scientific way with precise positioning, and give full play to the important role of sport in the construction of "healthy China".[3]

2. CHINA'S PUBLIC SPORTS SERVICE DEVELOPMENT DILEMMA

2.1 The main body of public sport service supply is single
There are three kinds of public sport service supply in community sport: government organization, market organization and social organization. Among that, the main responsibilities of governmental organizations are as follows:

2.1.1 Implement the policies, regulations and systems of sports public service construction;

2.1.2 Public sports service system construction planning;

2.1.3 Governance, supervision and inspection of sports public service system construction;

2.1.4 Management and maintenance of public sports facilities;

2.1.5 Social sports instructor training and management; (6)

Community sports service publicity, education and guidance; 2.1.6 Signed the community sports service supply agreement with the governing community non-governmental sports public service organization; And so on.[4]

The government is the main provider of public sport services and has policy and financial advantages, while the technology is mainly mastered by various professional organizations or groups in society. By purchasing public services from private enterprises or organizations, the government promotes public sport services. Community or neighborhood committee sport public organization members are elected by the people at the grass-roots level. Public sport affairs completely rely on the model of autonomy. Public sports services are even more scarce in rural areas than cities. In 2006, "Opinions on the Implementation of Rural Sports and Fitness Project" pointed out that the basic standard for the construction of rural public sports facilities is a concrete standard basketball court equipped with two standard basketball stands and two outdoor table tennis tables.[5]

2.2 The sport facilities are insufficient and out of date

According to 2020 National Sports Fields Statistical Survey data, by December 2020, there were 3, 713, 400 sport venues in China, with an area of 3, 099 billion square meters, or 2.2 square meters per capita. China has 179, 500 track-and-field ground, covering 946 million square meters. China has 29, 200 natatoriums, covering an area of 64 million square meters. China has 2, 335, 400 ball sport fields, including 1, 214, 400 for football, basketball and volleyball.[6] In recent years, the number of sports fields in China has been increasing. Compared with developed countries, the number and area of stadiums and gymnasiums in China are in the forefront. But the number of sports fields per capita and area is small. The average site area is more than 10 square meters in developed countries.

2.3 The social sport guidance personnel and management are lacking

The skill rating system for social sports instructors began in 1994. Be constantly issued documents such as National Professional Standards for Social Sports Instructors (2001), Management Measures for Social Sports Instructors (2011) and others, indicate that the team of social sports instructors in China is gradually expanding and playing an important role in the context of

comprehensive health. In terms of the China Mass Sports Development Report (2018) (General Administration of Sport of China), the number of officially certified social sport instructors in China exceeded 2 million by the end of 2017.[7] Although its number increases rapidly, the per capita quantity is insufficient as well as the overall quality is low. They are the lower level of education and lack of professional physical fitness knowledge, especially in the grassroots lack of professional ability stronger.

2.4 Lack of public sport activities and single source of its funding

Notwithstanding China's public sport service financial expenditure shows a rapid growth trend, the proportion of government financial expenditure decreases year by year. In 2017, it accounts for 0.44% and 0.09% of Gross Domestic Product (GDP). Developed countries typically account for around 0.5% of GDP, and some as much as 1%. The proportion of expenditure of other countries and our country differs greatly. Financial expenditure of public sport service is not evenly distributed among different regions. In particular, the per capita financial expenditure of public sport service in eastern China is much higher than that in central and western China. There are also obvious differences between urban and rural areas in public sport services, mainly reflected in the construction of public sports facilities.[8]

3.CHINA'S PUBLIC SPORTS SERVICE COPING STRATEGIES FOR HIGH QUALITY DEVELOPMENT

3.1 Improving the construction of laws and regulations on public sport, regulating the development of it

There are few laws and regulations on public sport promulgated by administrative departments in China, as well as special legislation on grassroots sport. Current laws and regulations pay more attention to macro aspects, but lack of micro aspects such as operability and execution. In the formulation of local laws and regulations, cities and districts in China provide strong support for public sport services according to relevant laws and regulations promulgated by the state and in combination with their own regional realities, so that residents can benefit from sport. Provide policy support to grassroots sport organizations, including community, enterprises, public institutions, universities, middle schools and so on.

3.2 Connecting with the talents of colleges and universities, strengthening the construction of social sport instructors and management personnel

Coordination communication and unified management between social sports management department and education department: introduce the qualification training of social sports instructors into colleges and universities, as well as set up testing centers and formulate a scientific and reasonable assessment system; Provide professional training and corresponding employment work, relieve the pressure of employment in colleges and universities and promote the development of social sports instructors; Improve the professional identity of social sports instructors. Optimize the training system of social sport instructors, cultivate their awareness of lifelong learning, increase the training frequency of instructors, and constantly improve professional theoretical and practical

ability. Academic communication conference and skills competition are held to provide a platform for peer exchange and learning and reward outstanding students.

3.3 Public sport services are developing towards digitalization and intelligitization

Relying on Internet technology, the data of health examination and physical fitness test conducted by relevant departments of the residents will be recorded, as well as personalized exercise and nutrition prescription guidance will be provided to the residents through cloud computing and data analysis. Community instructors give scientific and correct guidance by authorizing access to personal information. It is purposeful and targeted for health management that adopts regular and irregular physical and health examinations to strengthen the management of residents' health electronic archives.

Through the Internet such as software applications, websites and Wechat-Mini-programs, residents can book sport venues, competitions and classes, check operating hours and instructor qualifications, as well as buy sport insurance, equipment and drinks. Relying on the Internet of things, sport equipment is embedded in the built-in system, which can check the practice frequency, number of groups and energy consumption, as well as adjust the exercise load according to the changes of indicators.

3.4 Share sport resources and build a system for improving national physical fitness

When increasing the investment of public sports facilities, it can also revitalize the "idle" school sport facilities. We should increase the sharing of school sport resources, that provide material guarantee for national fitness. Financial departments should regularly allocate funds for school and community sport facilities maintenance, formulate a regular for opening during holidays and strengthen safety management. School physical education talents should be shared with the community, encouraged to provide professional guidance for the residents, that is to rationally utilize and develop school professionals. Schools and outside should be effective linkage in order to form a lifelong sport habit.

4.CONCLUSION

In conclusion, under the concept of comprehensive health, people's health awareness is generally improved. Administrative departments should formulate corresponding policies and regulations, accelerate the construction of sports facilities, share existing school sports resources, and rationally develop technology into public sport services. More residents can experience better public sport services, so that people develop awareness of participating in physical exercise and lifelong sport, which enhance people's physical fitness. We will promote China

from a major sport country to a world sport power.

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Application Of Computer Data Mining Based on Big Data in Archives Management

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Abstract: With the rapid development of my country's social economy and the gradual development of science and technology, computer technology has begun to be used in various industries in the society to promote the rapid development of various industries in our country. Nowadays, my country's file management system will choose big data computer data mining technology to increase the efficiency of file management query. This article focuses on the introduction of big data computer data mining technology, explores the significance of computer data mining technology based on big data, deeply analyzes the application of computer data mining of big data in archives management, and promotes the role of computer data mining.

Keywords: Big Data; Computer Data Mining; File Management; Application

1. OVERVIEW OF DATA MINING

Data mining is a knowledge discovery activity of a database. It effectively processes and analyzes a lot of data in the database, and scientifically creates data sorting and mining processing methods to reduce the risk of data application. In terms of specific analysis, data mining plays a role and needs to complete the work through various links such as data collection, data processing, and data integration. At the same time, data collection occupies a large proportion of the cost, and a lot of time is wasted for data processing. For example, use data mining technology to archive management, and use many technologies to adjust and convert a large amount of database information to collect archive management data on a large scale; secondly, when the data is collected, analyzed, adjusted and improved, etc., Can carry out data processing work; finally, scientifically apply data to promote data concentration after processing is completed. Therefore, scientific use of data mining technology, after in-depth analysis of its technology, will also strengthen the emphasis on the characteristics of the service object, which will help data mining technology to be effective [1].

2. THE ROLE OF COMPUTER DATA MINING TECHNOLOGY BASED ON BIG DATA IN THE FILE MANAGEMENT SYSTEM

2.1 Improve the reliability of file information

Regardless of which kind of file, it will play its own value in practice. In archives management, the staff put a lot of energy in the way of keeping important archives information, and there will be diversification in the way of adopting it. From a specific analysis, the value of archives will continue to increase over time. The higher the value, the higher the application efficiency. From the actual situation, it is known that if the archive information has

unique value and significance, or if the storage method is demanding, it will increase the difficulty of the file information custodian in the work, and it is difficult to choose a suitable storage method. However, in addition to ordinary archives, as far as confidential archives are concerned, once there is a phenomenon of improper custody, it is easy to cause the leakage of archive information. Therefore, according to the characteristics and requirements of the archives, the storage and application will also constitute relativity, and in the traditional archives management work, this property cannot produce the adjustment effect. However, with the rapid development of modern science and technology, computer data mining based on big data has begun to be widely used in file management, which has a significant effect on alleviating relativity. At the same time, it can also ensure that the reliability of archive information is effectively guaranteed, and protect the complete archive information.

2.2 Improve the efficiency of archive information management

The application of computer data mining technology based on big data to file management can effectively improve the efficiency of file management. When file management is in progress, computer data mining technology is used to effectively improve the efficiency of file information processing, and it is more convenient and faster to process file data. Especially when traditional managers use their own work experience to analyze and learn that manual data processing can hardly guarantee the integrity of information, and even lose valuable files. However, after applying the computer mining technology based on big data, the archives management personnel rely on their own intelligent calculation methods to truly grasp the application situation and preservation status of the archives, and provide multiple protection methods for the identification of archives information [2].

2.3 Improve the application rate of archive information

Most of the archives in the archives management database are confidential, and the borrowing objects of the archives are also targeted, and the scope of borrowing and reading is also obviously restricted. In the actual process, it is often because the file management personnel did not make a reasonable response to the borrowers, so that the correct response in the information exchange cannot be obtained, and the work efficiency will continue to decrease. At the same time, the file management personnel cannot find the corresponding information in the data query after describing the details of the borrower, and can only query the information again. After a long period of repeated searches, it is easy to affect the borrowing mood of the

borrower, and it will also affect the time. Excessive consumption phenomenon. In order to effectively deal with this problem, it is necessary to scientifically use computer data mining technology to increase the communication efficiency between file managers and borrowers, and quickly find out the materials needed by borrowers, effectively improve work efficiency, and quickly increase the rate of file information application..

2.4 Strengthen the service quality of archive information

Despite the reliability and integrity of the archive information, the management of confidentiality will increase and narrow the scope of application, and only a small number of personnel can be arranged to truly grasp the archive information. In the context of big data, information technology has attracted the attention of this industry, but most archives have many factors and can only be read by a few people. In the application process of big data-based and computer data mining technology, it is helpful for readers to quickly find out detailed records, carefully analyze the application of archives, better serve the borrowers, and meet their needs for archive information.

3. APPLICATION OF COMPUTER DATA MINING TECHNOLOGY BASED ON BIG DATA IN FILE MANAGEMENT SYSTEM

3.1 File classification management

File management is first to classify and process files. For the previous file management work, the core element was manpower. At the same time, high requirements were placed on time and personnel, data accuracy could not be guaranteed, and obvious errors would occur. In this case, science uses data mining technology to select appropriate data for individual difference data to adjust and combine to form a centralized effect, so that the staff can better classify the archives. For this operation method, we can clearly grasp the data conditions and types, serve the borrowers in a timely manner, effectively improve the service quality and service efficiency, and help the file to play its own role in the application [3].

3.2 File collection and management

Data mining technology uses its own advantages to quickly mine important data in the database, use related digital models to clearly identify differences, and rely on

data models to better process and classify archive information. In addition, after a comprehensive analysis of the internal data of the database, a digital model is scientifically constructed, the test results are compared accordingly, and the appropriate archive collection management mode is effectively selected.

3.3 Application in the medical industry

Archival data is of great significance to the medical industry. Use data mining technology to provide help and convenience for medical record managers, better communicate with file users without barriers, and provide high-quality medical file service quality. At the same time, for residents' health records, it will contain their own information, family medical history, previous medical history, etc., scientifically use data mining technology to build a unified file management system to clearly find out people's medical conditions in hospitals, and earnestly understand the physical conditions of the people. To

4. CONCLUSION

With the rapid development of the times, the era of big data has become a necessary development trend for future social development. As an information manager, the author must face problems bravely, seize opportunities in time, and constantly break through the development goals of the current era. At the same time, scientifically apply new technology and apply data mining technology to archive management to provide convenience for archive management personnel.

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Development And Application of Environmentally Friendly Building Energy-Saving Materials

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Abstract: People's material life is constantly improving, and the scale of urbanization is also expanding, and people's requirements for the urban living environment are getting higher and higher. Nowadays, in the construction process of construction projects, the consumption of building materials in the application process is more serious. At the same time, there are still noise and pollution characteristics in the application process. It can be seen that traditional building materials are no longer suitable for current environmental protection concepts. development of. If you want to protect the environment and reduce environmental pollution, this requires the application of environmentally friendly building energy-saving materials during the construction process to reduce environmental pollution and make the living environment more environmentally friendly and comfortable.

Keywords: Environment-Friendly Building; Energy-Saving Materials; Development; Application

1. INTRODUCTION

After analyzing the environmentally friendly building energy-saving materials, it can be seen that the materials have the characteristics of low pollution and low consumption during the application process. At the same time, this new type of material needs to increase the utilization rate of resources during the application process to achieve environmental protection. The purpose is to strengthen the application of new materials in construction engineering so that the development of the construction industry can meet the development needs of the current era. The article explains the characteristics of environmentally-friendly building energy-saving materials, analyzes the development of environmentally-friendly building energy-saving materials, and studies the future development trends of their materials.

2. INTERPRETATION OF THE CHARACTERISTICS OF ENVIRONMENTALLY FRIENDLY BUILDING ENERGY-SAVING MATERIALS

2.1 The main wall

In the construction process of construction projects, we should pay attention to the construction of walls. Walls are an important part of the project. Under the current environmental protection concept, the use of environmentally friendly materials in the construction of walls should be strengthened, and energy-saving and environmentally friendly materials should be used. The effect comes into play. At present, there are many types of environmentally friendly wall materials in the market, and the advantages of different types of materials are different

[1]. When constructing the wall, it is necessary to comprehensively consider the actual construction situation, and integrate modern construction principles into the construction of the project. Aerated concrete blocks belong to porous concrete products, and their materials are used in the construction of wall projects. While reducing the quality of the materials, it can also improve the effect of heat preservation and energy saving of the building. There is also an EPS block that is blended with a certain proportion of concrete and mortar. The finished product is a brand-new building material with strong energy saving and environmental protection.

2.2 External wall insulation

In the context of the current era, the modern construction industry has developed rapidly, and construction projects have begun to use energy-saving and environmentally-friendly materials for application. When selecting external wall materials, materials with good thermal insulation effects should be selected. The scope of use of external wall thermal insulation materials is very wide, and reasonableness should be emphasized in the application process. When selecting environmentally friendly materials during the construction of building exterior wall insulation, choose materials that can avoid the external wall being interfered by ultraviolet rays, reduce the erosion of the wall by harmful substances, and significantly improve the reinforcement effect of the building wall. The selection of energy-saving and environmentally-friendly materials in wall construction can also optimize the application value of the building. The absorption and heat release capacity of the wall structure is improved, which reduces the cost of heating, which also reduces energy consumption. New materials have the effects of heat preservation, environmental protection, and energy saving in application, making the construction of construction projects more stable, and the value of the use of their materials has gradually become prominent.

2.3 Structural aspects of doors and windows

In the construction of building projects, attention is paid to the structure of doors and windows. The structure of doors and windows also needs to use energy-saving and environmentally-friendly materials. At present, the energy-saving and environmentally-friendly door and window materials in the market mainly include energy-saving glass and energy-saving frame fans. There are three main types of environmentally friendly and energy-saving glass materials, namely vacuum, hollow and coated low-radiation. Different types of glass have different

characteristics, and users can choose materials according to their needs. Vacuum glass can reduce the energy consumption of heating and cooling in buildings. Coated low-e glass is generally coated with some metals or compounds on the glass surface to form a thin film on the glass surface, which improves the visible light transmittance and also enhances infrared rays. The reflectivity of the glass can be used to improve the heat insulation performance of the glass. Energy-saving door and window frame sash materials also play an important role. Generally, materials such as glass fiber reinforced plastic and medium steel are used. However, when the materials are used, they should be selected according to the needs of environmental protection and energy saving. Energy-saving frame fan materials mainly have strong thermal insulation properties and improve the thermal insulation effect of buildings. Plastic-steel materials have low heat transfer properties in applications, and their materials can be applied to the installation of heating and air-conditioning equipment.

3. DEVELOPMENT OF ENVIRONMENTALLY FRIENDLY BUILDING ENERGY-SAVING MATERIALS

3.1 Strengthen recycling and recycling production

People's awareness of energy conservation and environmental protection has been continuously strengthened, and more and more attention has been paid to energy-saving and environmentally-friendly building materials, and the energy-saving materials of environmentally-friendly buildings have also undergone new development [2]. Contact local production companies and bases in cities suitable for the development of energy-saving and environmentally-friendly materials, so that their companies can become the key development of environmentally-friendly building energy-saving materials, expand the scale of material production, and also need to have a suitable production base. At the same time, the production base should also be able to form a characteristic material base. The production of its materials in the base can achieve the purpose of scientific layout, and in the process of using environmentally-friendly building energy-saving materials, it can also promote the development of its energy-saving and environmentally-friendly materials.

3.2 Application of Low Energy Consumption Process and Technology

During the construction of construction projects, various departments need to strengthen communication, pay attention to the production technology of environmentally friendly building energy-saving materials, so that the technology can be fully implemented, so that it can make reasonable plans for the material market and material production, and make a reasonable plan for environmentally friendly buildings. The construction process of energy-saving materials should be optimized, and the management process should also be standardized to ensure that energy-saving and environmentally-friendly building materials can be fully promoted and implemented. In the production of materials, the research on material production technology should also be strengthened so that

the materials can be applied more widely.

3.3 Strengthen scientific research development and development

In order to promote the application of environmentally-friendly building energy-saving materials in construction projects, it is necessary to attach importance to scientific research and development, conduct in-depth research and optimization of material production technology, and respond to buildings in different regions according to local characteristics. Among them, materials are used to improve the accuracy of information in the environmental protection market. It is also necessary to analyze the development prospects of the energy-saving and environmentally-friendly materials market, accelerate the application of new environmentally-friendly building energy-saving materials and environmentally-friendly energy-saving technologies, and conduct in-depth research and development of production technologies that meet the needs of our country, so that the materials can create a good living environment for people. In order to achieve the purpose of energy saving and environmental protection.

4. THE FUTURE DEVELOPMENT TREND OF ENVIRONMENTALLY FRIENDLY BUILDING ENERGY-SAVING MATERIALS

In the development process of environmentally friendly building energy-saving materials, if you want to enhance the application effect, the most important thing is to form a good energy-saving idea, understand the importance of energy-saving and environmental protection, and reduce the resource consumption as much as possible in the construction of construction projects. Waste, to prevent the waste in the construction of the project from causing damage to the surrounding environment. In the construction of building projects, it is necessary to strengthen the application of environmentally friendly building energy-saving materials so that the building projects can develop in the direction of green buildings.

5. CONCLUSION

In summary, the improvement of people's living standards has caused people to pay more attention to the concept of energy conservation and environmental protection. In the process of development, the construction industry has also begun to develop in the direction of energy conservation and environmental protection. In the construction of construction projects, it is necessary to strengthen the application of environmentally-friendly building energy-saving materials to improve the economic and social benefits of the construction industry, and the most important thing is to achieve the purpose of protecting the environment.

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China's Cross-Border E-Commerce Logistics Difficulties and Countermeasures

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Abstract: The application of Internet technology in the industry provides more favorable conditions for the modernization of our country as a support. In particular, cross-border e-commerce has achieved more significant development and built a brand-new logistics system, which can provide support for the enhancement of my country's economic strength. Therefore, my country must pay attention to the development of the cross-border e-commerce industry. However, if cross-border e-commerce wants to develop, it must be supported by a sound logistics system. However, there are more or less problems in my country's current logistics system, which leads to the failure to maximize the advantages of logistics. Therefore, relevant personnel must increase their efforts to conduct research to provide support for the development of the cross-border e-commerce logistics industry.

Keywords: China; Cross-Border e-Commerce Logistics; Dilemma; Countermeasures

1. INTRODUCTION

With the improvement of my country's economic strength, cross-border e-commerce has achieved a certain degree of development. Constructing a brand-new logistics model can make it more in line with the development needs of our country in the new era. Therefore, it is necessary to pay full attention to cross-border e-commerce logistics, formulate appropriate measures for improvement, improve the development level of cross-border e-commerce logistics, and ensure its safety and convenience.

2. CHARACTERISTICS OF CROSS-BORDER E-COMMERCE LOGISTICS

At present, my country's Internet consumption model has developed relatively rapidly and has been recognized by the masses. In the process of digging into the consumer market, companies can find that most overseas consumers love my country's products very much. my country's products have a relatively high cost performance in the international market. In order to extend overseas business and enhance my country's economic strength, the development of cross-border e-commerce has become a general trend [1]. At present, there is a close relationship between cross-border e-commerce and cross-border logistics. The international development of cross-border e-commerce provides more favorable conditions for the global development of cross-border logistics. There is a big difference between the import and export business under the traditional model. Cross-border e-commerce is usually purchased by individuals or a certain company, and the demand is relatively low. Therefore, under normal circumstances, cross-border e-commerce packages are relatively small. Cross-border e-commerce in my country

can analyze the logistics situation through the Internet platform and formulate appropriate measures to optimize it. And in the process of optimization, build a new business development plan. Take online logistics import and export as the main mode of operation. Because in the process of operation, it will have an impact on different countries, which makes our country have a closer relationship with the world economy in the process of development. Therefore, relevant departments must pay attention to the development of cross-border e-commerce to provide support for the construction and improvement of my country's economic system.

3. DEVELOPMENT OF CROSS-BORDER E-COMMERCE LOGISTICS

Cross-border e-commerce logistics first appeared in 2012 and achieved more significant results in the following years. For example, the volume of China Post's international economic small packages increased by 42% and 24% year-on-year in 2016 and 2017, respectively. In addition, the number of cross-border e-commerce companies in my country is increasing, and the foreign trade penetration rate of cross-border e-commerce has increased significantly. In 2013, the proportion was only 12%, and the proportion in 2019 is already around 33%. Provides a driving force for the improvement of my country's economic strength [2]. For example, Alibaba, Tmall, and JD.com have all established overseas websites. And overseas countries also pay great attention to the Chinese market and push e-commerce platforms to my country. These e-commerce have achieved more significant results through the Internet platform. In order to promote the standardized development of cross-border e-commerce, my country has issued relevant rules and regulations, and enterprises have also issued relevant regulations, hoping to enhance their own service capabilities. In addition, my country's overseas warehouses have developed rapidly in recent years. The average area of overseas warehouses can reach 5, 549 square meters. Especially in the United States, the area of overseas warehouses has reached 7687 square meters, which provides more favorable conditions for the development of cross-border e-commerce as a guarantee. Some Chinese companies have built overseas warehouses that can transport goods directly overseas. However, most cross-border e-commerce companies are still in the preliminary stage of development and need to formulate appropriate measures for improvement.

4. DILEMMA OF CROSS-BORDER E-COMMERCE LOGISTICS DEVELOPMENT

4.1 It is likely to restrict the development of domestic cross-border e-commerce companies

In order to implement cross-border e-commerce trade, it is necessary to analyze the changes in the exchange rate to ensure that the company obtains the expected economic benefits. It takes a long time to carry out cross-border logistics transportation, so the transportation of goods takes a certain amount of time. If the exchange rate of a certain country changes during this stage, the probability of exchange rate risk in cross-border e-commerce will also increase. Moreover, various countries pay more attention to the development of their own enterprises and have introduced relevant policies to protect their own enterprises. This has hindered the development of my country's cross-border e-commerce enterprises from a certain perspective.

4.2 High logistics costs

Under normal circumstances, the logistics cost of cross-border e-commerce is usually more than 30% of the total cost, and the cost of return and exchange also needs to account for about 10%, and it is even higher in my country. The development of cross-border trade and logistics has led to a substantial extension of the logistics chain. Commodities need to be transported from my country to overseas, and they need to go through multiple links such as domestic transportation, international transportation, customs review, and foreign transportation. Especially in the process of commodity inspection, risks are likely to occur due to some factors, which increase the logistics cost of cross-border e-commerce [3].

4.3 It takes a long time

According to the investigation and analysis of relevant data, it is found that most customers are not very satisfied that they need to wait a long time, thinking that the logistics time is too long. The particularity of cross-border logistics increases the logistics and transportation links, and it takes a long time to conduct customs inspections. This has caused my country's cross-border e-commerce time to significantly exceed the domestic logistics time. This problem has become a restriction on the development of my country's cross-border e-commerce. The most critical factor.

4.4 Easy to be affected by external factors

Analyzing the PEST model of strategic management, we can find that companies need to consider political risks, cultural risks and other aspects when conducting cross-border trade. Therefore, when conducting cross-border e-commerce work, they must consider policies and knowledge. Property rights, customs, etc. For example, frequent wars in some countries and serious trade protectionism in some countries are not conducive to the development of cross-border e-commerce in China.

4.5 Higher probability of exchange rate risk

When conducting cross-border trade, relevant personnel must take into account the possible impact of exchange rates. If a country's currency appreciates or depreciates, the exchange rate is not static, which is likely to reduce the economic benefits that cross-border e-commerce can obtain and reduce the enthusiasm of related companies.

4.6 A sound return flow system has not yet been formed

The logistics process of cross-border e-commerce in my country is relatively complicated. At any stage, buyers

may want to refund and return goods, and the lack of a sound return flow system is a key issue that restricts the further development of current cross-border e-commerce logistics. Due to the particularity of e-commerce, the probability of returns and exchanges is much higher than that of ordinary products. If the goods are lost, damaged, or the address is incorrect, and the waiting time is long, they may need to be returned or exchanged. Some small and medium-sized cross-border e-commerce companies will choose to use overseas warehouse business, which can effectively improve the problem of return and exchange [4].

4.7 Lack of professional talents as a guarantee

The development of cross-border e-commerce requires the support of modern talents, and cross-border logistics is no exception. From the analysis of the current situation, it is found that although some colleges and universities in our country have opened e-commerce and logistics majors, they have not combined the two, resulting in their lack of comprehensive talents who can carry out e-commerce and logistics at the same time.

4.8 Low level of cross-border e-commerce logistics informatization

Information technology is the main driving force to promote the development of e-commerce. However, from the analysis of the current situation, it is found that the degree of informatization of cross-border e-commerce logistics is not high. In particular, cross-border enterprises do not have enough ability to use information technology to deal with problems that arise, and the information obtained lacks real-time. In cross-border e-commerce, it does not pay attention to the development of information integration, and it is impossible to communicate and exchange information in a timely manner. The information collected is relatively one-sided, which seriously hinders the development of the cross-border e-commerce logistics industry.

5. PROMOTING THE DEVELOPMENT OF CROSS-BORDER E-COMMERCE LOGISTICS IN MY COUNTRY

The development of cross-border e-commerce logistics can determine the development of cross-border e-commerce to a certain extent, and it has a very critical role for our country [5]. Therefore, the relevant departments of our country must pay attention to the development of cross-border e-commerce logistics and formulate appropriate countermeasures. The relevant personnel can start their work from the following points:

5.1 Build a dedicated overseas warehouse

In the new era, in the development process of the logistics industry, overseas warehouses play an important role that cannot be ignored. They can provide buyers and sellers with a platform for communication and exchange. Therefore, my country's cross-border e-commerce should recognize the key role of overseas warehouses and build overseas warehouses. While reducing transportation costs, we will further expand overseas markets. Cross-border e-commerce companies need to base their judgment on their own scale, proportion of the international market, and whether it is feasible to set up overseas warehouses, set up

overseas warehouses in a targeted manner, and ship products to overseas warehouses in batches. Cross-border e-commerce has obvious characteristics of batches and small batches. Carrying out transportation at different levels can reduce the frequency of customs inspection and acceptance, and keep costs within a certain range. Bulk transportation can also effectively reduce the probability of risks in the transportation process. Therefore, we must pay attention to the construction of overseas warehouses and reduce the capital investment in the transportation process.

Overseas warehouses can also effectively shorten the time required for transportation [6]. Overseas warehouses can provide warehousing, sorting and other operations for my country's cross-border e-commerce companies, and carry out batch transportation in a timely manner, reducing the transportation time. In addition, overseas warehouses can achieve the goal of local delivery of sellers, reduce the time for order processing, and provide more favorable conditions as support for the development of cross-border e-commerce.

In addition, the construction of overseas warehouses can reduce the probability of political, cultural, and economic development to a certain extent, and make cargo transportation more efficient and high-quality. Overseas trade can promote the localization of cross-border e-commerce, which plays a crucial role in breaking trade barriers. If the customer needs to return or exchange the goods, cross-border e-commerce can meet the needs of users in the first time, thereby reducing the customs duties and logistics fees that need to be paid to deliver the goods to the country, and effectively reducing the cost of returning and replacing the goods. In addition, the development of overseas warehouse distribution can effectively improve the accuracy of distribution and reduce the probability of product loss and destruction. Finally, the construction of overseas warehouses can also promote the diversified development needs of my country's logistics. In the process of daily operations, the Internet platform provides better services, attracts more customer attention, increases sales, and creates more economic benefits for enterprises[7].

5.2 Optimize customs clearance services

If cross-border e-commerce companies always choose customs declaration methods to pass customs, it will be difficult to improve the efficiency of logistics. Therefore, my country's customs departments and related agencies need to take into account the characteristics of cross-border e-commerce and build a suitable service platform for e-commerce companies to ensure that logistics companies, e-commerce companies, and customs departments can more effectively carry out docking work, and promote the standardization and standardization of logistics. Standardized development. This requires the relevant staff of cross-border e-commerce companies and customs departments to deeply analyze the characteristics and laws of cross-border e-commerce logistics, provide them with better services, and ensure that cross-border e-commerce can become the main measure to promote my country's economic development.

5.3 Do a good job in training comprehensive talents

Talents play a very crucial role in our country and can determine the future development direction of the enterprise to a certain extent. Compared with domestic logistics companies, cross-border e-commerce logistics is more complex, and needs to consider quarantine, customs, cross-border trade and other aspects, and requires higher professional talents. For example, you must be able to apply foreign languages, master e-commerce and logistics-related professional knowledge, and understand relevant laws and regulations. However, based on actual analysis, it is found that the number of such comprehensive talents in my country is relatively small. If cross-border e-commerce wants to develop, it must have more comprehensive talents as a guarantee. First, colleges and universities should recognize the new demand for talents in the new era, integrate existing resources in a targeted manner, organize students to participate in learning, improve their abilities in all aspects, and ensure that they can have enough abilities to join in. Among the cross-border e-commerce logistics industry [8]. Second, the social sector should provide learning opportunities for cross-border e-commerce logistics staff to ensure that they can enhance their abilities in all aspects through learning and make them competent for their jobs. In addition, government departments need to take into account the actual needs of cross-border e-commerce development, provide funds and policy support, and provide guarantee for the smooth development of cross-border e-commerce logistics talent training.

5.4 Reasonable use of modern technology

When carrying out cross-border e-commerce logistics reform in my country, standardization, specialization, and informatization should be the main starting points. The construction of a standardized logistics system can effectively prevent the loss or destruction of goods. In addition, the cross-border e-commerce platform can establish contact with logistics companies, collect information in a timely manner, and provide users with better services. Therefore, logistics companies and cross-border e-commerce companies should pay attention to the development of intelligent database construction and analyze consumer shopping requirements and logistics standards during the development process. After the customer places an order, use intelligent technology to analyze the warehouse and logistics situation, arrange the delivery time, the warehouse situation and the quantity to be shipped in an orderly manner, and avoid the accumulation of goods as much as possible. When shipping goods, logistics tracking services should be provided as much as possible, so that consumers can know the location of the goods and avoid loss of goods as much as possible.

5.5 Do a good job in resource integration and summarization

Cross-border e-commerce logistics contains multiple links. Therefore, if you want to reasonably control the cost of cross-border logistics, cross-border e-commerce companies need to analyze and integrate the resources of each link, and apply the resources based on the actual

situation, such as It is said that it is necessary to consider the advantages of different forms of transportation and the demand for transportation of goods, formulate appropriate logistics transportation methods, and select the most appropriate logistics transportation path. It should be noted that the impact of the same transportation channel in different countries is different, so it is necessary to consider the reality of delivery to apply the logistics transportation method, which is also a more effective way to reduce cost and consumption [9].

6.CONCLUSION

Based on the above analysis, in the new era, the social development is relatively rapid, and the trend of economic globalization is becoming more and more significant, which provides more favorable conditions for the development of the cross-border e-commerce logistics industry. Therefore, Chinese enterprises must keep pace with the times, improve the shortcomings in the development of cross-border e-commerce logistics, so that it can achieve better development, and provide more favorable conditions as support for the development of my country's foreign trade industry.

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Highway Inspection Technology Application and Inspection Quality Control Analysis

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Abstract: In recent years, the number of highway projects has continued to increase. In order to ensure that the quality of the project meets the requirements, the current highway project quality management personnel will choose to use different types of quality inspection techniques for analysis, so as to improve the problems in the current inspection process in a targeted manner. This article briefly introduces the development of highway inspection work and functions, analyzes highway inspection technology, and proposes measures to control highway inspection quality, hoping to provide support for the smooth use of highway engineering and promote the development of my country's transportation industry.

Keywords: Highway Inspection Technology; Inspection; Quality Control; Analysis

1. INTRODUCTION

In recent years, our country has paid more attention to the modernization of cities. Highway engineering is a key component of it, and relevant personnel must pay full attention to it. In order to improve the quality of highway engineering construction and meet people's travel needs, it is necessary to increase efforts to carry out highway quality inspections, find more common quality problems on highways, and make targeted improvements.

2. CARRY OUT THE ROLE OF HIGHWAY INSPECTION WORK

The role of road inspection work is more prominent, which can be summarized as the following points: Effective road inspection work can ensure that the quality of road construction materials meets the requirements and improve the safety of the road [1]. With the help of inspection work, unqualified materials in the construction process can be screened out to prevent safety problems caused by improper materials used. Moreover, the implementation of component inspection work can reduce the probability of road risks to a certain extent. Second, carry out road inspections, which can control the cost of road construction investment within a certain range, clarify the new materials and new technologies used in the road construction process, and design reasonably based on reality to create more economics for road construction Benefits and social benefits. Third, reliable highway inspections can discover the shortcomings of highway engineering construction in the first time, and formulate appropriate measures to improve, improve the quality of highway engineering, and ensure people's travel safety. After the completion of the construction, the road inspection carried out is even more a kind of insurance, which can provide support for the normal application of the road.

3. APPLICATION OF HIGHWAY INSPECTION TECHNOLOGY

3.1 Radiographic highway inspection technology

When carrying out highway inspection work and analyzing whether the highway is damaged, you can choose to use ray highway inspection technology to carry out analysis through infrared imaging [2]. If the highway is damaged and the quality is reduced during this process, there will be certain differences in the characteristics of infrared rays. Using gamma rays and X-rays to operate the contents of infrared rays can effectively find the damaged location of the highway. When inspecting highway tunnels and reinforced concrete structures, ultra-high-frequency short-pulse electromagnetic waves can be used for detection, and the size of the eddy current can be used to analyze whether the highway will have problems. It should be noted that when using this technology, the adverse effects caused by radiation should be avoided as much as possible, and the radiation detection equipment should be protected to prevent it from being destroyed.

3.2 Deflection detection technology

Deflection detection technology can be divided into two categories: First, Beckman beam detection technology. Second, the detection technology of the drop hammer deflection meter. Beckman beam detection technology can analyze the rebound and deflection of highways. The detection technology of the drop hammer deflection meter can analyze the dynamic deflection of the highway. There are certain differences in the methods used by different detection technologies. For example, when developing Beckman beam inspection technology, reasonable measurement points need to be established on the road sections to be inspected and marked carefully. Connect the gap between the rear wheel of the car and the test point 3 to 5 cm behind. Put the gap of the rear wheel of the test car into the deflection meter to ensure that the direction of the deflection meter is the same as that of the test car, and to ensure that the base is zero when it has not been measured. During the test, the value of the measuring rod dial indicator will change with the surface morphology. For the application of the falling weight deflection meter detection technology, it is necessary to make the position of the bearing plate consistent with the point to be measured, place the sensor, and use the falling weight device to understand the changes in the structure layer, and upload the detection data to the computer. Inside, it should be noted that in order to improve the accuracy of the detection, it needs to be repeated about three times, and the average value is taken [3].

3.3 Ultrasonic testing technology

The use of ultrasonic testing technology to carry out

highway inspection work can more effectively improve the ability of highway inspection work to deal with risks and improve its safety. First, with the help of ultrasonic testing technology, it is possible to intuitively understand whether the highway pipeline has cavities, and to clarify the information of the vacancy, such as depth, thickness, etc., which can provide support for the subsequent grouting work. Second, the application of ultrasonic testing technology can transfer the internal structure of the highway to the stress wave, analyze whether the highway structure is in a complete state, and find out whether there are gaps in time.

4. MEASURES TO CONTROL THE QUALITY OF HIGHWAY INSPECTIONS

4.1 Supplement related testing equipment

When carrying out highway inspection work, not only must the inspection technology be innovated and its scientific and technological content must be improved, but also modern inspection equipment must be reasonably applied to carry out inspection work. When selecting testing equipment, not only must the quality meet the requirements, but also the performance and characteristics of different equipment must be analyzed, and the most cost-effective equipment must be selected. In addition, before purchasing the equipment, it is necessary to combine the actual requirements of road inspection and use it as a foothold to carry out work, so that the road inspection work can be carried out more efficiently and with high quality. Before the testing equipment is used, it is necessary to carry out the installation strictly according to the relevant instructions, and after the completion of the debugging work, it will be submitted to the quality supervision department for testing.

4.2 Implement inspection work into all aspects of construction

Before the road construction has been carried out, it is necessary to pay attention to the development of construction material quality inspection work, and ensure that the quality of the construction site materials can meet the relevant requirements, and prevent the adverse effects on the road quality caused by the improper materials. This requires the relevant personnel to strictly According to the rules and regulations, select appropriate inspection methods, analyze the quality of cement, gravel, steel bars, etc., to ensure that the data obtained is true and effective. In addition, sampling inspection should be used to analyze whether the indicators of raw materials and semi-finished products meet the construction standards to ensure that the

strength of the highway can meet the relevant requirements.

4.3 Supplement the testing system

It is necessary to build a sound road inspection system, and link it with the inspection work, and conduct tests in strict accordance with the rules and regulations, so as to ensure the quality of the road [4]. This requires the quality inspection agency to recognize the importance of its own work, adjust its structure, increase its efforts to manage different types of samples, ensure that quality supervision is effective, and check the inspection data. In addition, in order to improve the quality of highway inspection work and obtain more accurate values, it is necessary to do a good job in the management of the test environment. Inspectors should correct their own attitudes when carrying out their work, control the humidity and temperature within an appropriate range, and have a dedicated staff inspect the changes in environmental parameters, so as to ensure that the inspection environment can provide support for the smooth development of the inspection work.

5. CONCLUSION

With the improvement of technical level, highway inspection technology is more abundant and diverse, and the technical content is obviously enhanced, but there are still some problems in the application process. This requires relevant personnel to step up their efforts to explore, carry out road inspections reasonably, control the inspection quality within a certain range, and ensure that the quality of road projects can meet the requirements, so as to create more economic and social benefits for the development of road inspections.

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The Renaissance and Transcendence of The Value of Chinese Sports Culture in The Era of Globalization

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Abstract: With the development and progress of society, my country's traditional culture has been impacted by foreign cultures in the process of inheritance and development. Sports culture is a manifestation of a nation's continuous self-improvement. In the thousands of years of history of the Chinese nation, various cultural forms have gradually gathered together and have been passed down from generation to generation to this day. The sports culture produced in modern times is to show the spiritual outlook of a nation or even a country through sports competition. The value of sports culture has become a hot topic in the modern international society. How my country deploys and promotes Chinese sports culture and solves the various challenges and problems faced by Chinese sports culture are the focus of this article.
Keywords: Chinese Sports Year Culture; Globalization Era; Renaissance And Transcendence

1. INTRODUCTION

Since entering the present society, my country's comprehensive national strength has been continuously improving. As a rising star, the sports culture industry gradually occupies an important position in the development of our country, and it has also become an important indicator of a country's comprehensive strength. Sports culture is a hotly discussed topic in today's society, and it is also a window for friendly exchanges between our country and other countries. In the context of the era of globalization, my country's philosophy lies in the fact that the world faces many obstacles in the process of reaching a consensus. It recognizes the positive and negative effects of globalization on the spread of Chinese culture, and strives to realize the foreign exchanges of Chinese sports culture. Look at the various influences of foreign culture on Chinese sports culture.

2. THE DEVELOPMENT OF CHINESE SPORTS CULTURE UNDER THE BACKGROUND OF GLOBALIZATION

2.1 Globalization of the development of sports culture

The sports industry has been booming since the late eighteenth century. After more than half a century of development, the sports industry has formed a complete cultural industry chain in Western countries, and under the influence of capitalist ideas, sports culture has spread to In countries all over the world, this has further promoted the development direction of sports culture, and under the background of globalization, it has determined the future development direction of sports culture.

2.2 The improvement of China's comprehensive national

strength

Modern China has been bullied and oppressed by foreigners, and people's living standards are low. However, since the founding of New China, the party has led the people to seize the direction of development and build a poor, white and populous China into a modern power with strong economic and military strength. my country has maintained two miracles of rapid economic growth and long-term social stability. my country has done well in the military and economic fields. In order to demonstrate its strength, my country also pays great attention to the promotion of cultural soft power such as sports culture. The Olympics and the Winter Olympics are important processes for my country to build cultural soft power.

2.3 Change in the concept of cultural communication

The mission of our country since its establishment has been to seek rejuvenation of the Chinese nation and to seek happiness for the people. For this reason, my country attaches great importance to the development of its own hard power. Vigorously developing industry, while ignoring the development of soft power, has resulted in my country's insufficient international voice in soft power. From shutting down the country to standing back among the nations of the world, China's development philosophy has completely changed, and opening to the outside world has become a long-term basic national policy of our country.

2.4 Change in the concept of foreign policy

Since modern times, my country has been active in the world political arena, and has successively applied for the Olympics, World Expos, Winter Olympics and cross-regional events. From this we can see that sports culture has become the third diplomatic method besides politics and economy. This concept stems from the long-term opposition between the development of China and the United States. A ping pong exchange broke the long-term isolation of China by the United States. Sports culture has also become a diplomatic method for countries to display their own images and seek cooperation.

3. THE SIGNIFICANCE OF REALIZING THE REVIVAL AND TRANSCENDENCE OF CHINESE SPORTS CULTURE VALUE

3.1 Promote the innovation and development of Chinese sports culture and enhance international influence

The wave of globalization has swept every country, and the open international social environment has given hope for the development and innovation of countries with backward sports culture. In the process of demand transformation and development, our country needs to

take the path of innovation in order to be recognized by the international community. The development of Chinese sports culture faces multiple difficulties. When facing problems, my country can only achieve the goal of surpassing and rejuvenating sports culture by adopting an inclusive mentality.

3.2 Contribute to the protection of the diversity of world sports culture

Western countries have mastered the world's right to speak through the industrial revolution, and at the same time they have mastered the world's various cultural resources. The sports culture promoted and created by Western countries is obliterating some unique forms of sports. The diversity of sports culture is gradually weakening. Our country has a rich and splendid sports culture. In modern society, our country should attach importance to the innovation of traditional sports culture, and should not follow the old fashioned ways. It should seek innovation and change to realize the transformation from traditional sports culture to modern sports culture.

4. THE ISSUE OF REVIVAL AND TRANSCENDENCE OF CHINESE SPORTS CULTURE

4.1 Obstacles from the cultural environment

For a long time, Western countries headed by the United States have opposed my country's ideology and have constantly exaggerated the China threat theory in the international community. There is a voice that is unfriendly to China in the international community. English as a world-recognized working language has been promoting American culture and ideas. In the context of this international society, the spread and development of Chinese sports culture must first face cultural obstacles.

4.2 Impact from Western Modern Sports

Sports culture has become a product of all countries in the world, with the help of the development of information technology. The broadcast and hosting of events has become a means of rapid dissemination of sports culture. Through media publicity, sports culture has developed into an indispensable and important product of modern society. However, my country's local sports culture international has always been at a disadvantage. The heroism and adventurism advocated by the United States and Western countries such as NBA, surfing, rock climbing and skiing have become the mainstream of sports, and the young people of our country have been deeply influenced by it.

5. EFFECTIVE MEASURES TO REALIZE THE REVIVAL AND SURPASSING OF THE VALUE OF CHINESE SPORTS CULTURE

5.1 Adhere to the development idea of advancing with the times

If China's local sports culture wants to go abroad, rush to the world, and realize the modern goal of rejuvenating and

surpassing the value of Chinese sports culture, it must have innovative development ideas. The first thing we have to face is the complicated external and internal environment faced by our country in the development process, and organize the development thinking. At present, my country's sports culture must take three steps. The first step is to test the correctness and scientificity of my country's sports culture path through practice. The development model of sports culture in Western countries may not be suitable for our country, and blind imitation may not be able to achieve the goal of rejuvenation and transcendence. The second step is to always adhere to the development goals of my country's sports culture, and to not change the development direction of sports culture in the face of the pressure of ideological opposition in the international society. The third part is to combine traditional sports culture, analyze the preferences of modern sports culture, and create a modern culture with Chinese heritage by improving and innovating Chinese traditional sports.

5.2 Persist in inheriting and promoting China's excellent traditional culture as the core

Facing the obstacles of western countries' sports culture, some sports cultures with national characteristics are gradually disappearing. The sports culture model advocated by Western countries has curbed the development of sports cultural diversity. As a country with a long history of sports culture, my country cannot adopt a one-sided principle in its attitude towards Western countries. Marxism tells us that we must look at the pros and cons of a problem, and only by absorbing the other's shortcomings can we win the victory of development.

6. CONCLUSION

In general, my country's sports culture has insufficient influence in the world, and the dominant Western countries are obstacles to my country's sports culture rushing to the world. If my country wants to achieve cultural rejuvenation and transcendence, it needs to be based on local culture, learn from and absorb excellent culture.

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Cultivation Of Marketing Skills for International Talents in Higher Vocational Education

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Abstract: Higher vocational colleges, as a place that focuses on the cultivation of professional skills, are different from other colleges and universities. They pay more attention to the cultivation of students' practical ability in teaching, rather than the professors of theoretical knowledge, which makes the students of higher vocational colleges Often have strong professional skills. Affected by this, more and more international students have begun to choose higher vocational colleges. Marketing, as a means of analyzing consumer needs and helping products sell better, has become the choice of more and more students from the perspective of economic globalization. This article analyzes the existing problems in the education of international talents in higher vocational education, and proposes several measures to promote the training of marketing skills for international talents in higher vocational education, so as to promote the progress of the training level of international talents in higher vocational education.

Keywords: Higher Vocational Education; International Talents; Marketing Skills; Training

1. INTRODUCTION

Marketing, as a means of discovering consumer demand and attracting consumers to purchase products, is an indispensable sales technique in modern society. With the advancement of education reform, people's views on higher vocational education have gradually changed. As a professional college for cultivating students' professional skills, higher vocational education has been chosen by more and more students and parents, including overseas students. This article aims to study the marketing skills training strategy of higher vocational education for international talents, so as to promote the improvement of the marketing level of national talents.

2. CURRENT PROBLEMS IN THE EDUCATION OF INTERNATIONAL TALENTS IN HIGHER VOCATIONAL EDUCATION

In the process of economic globalization, the training of international talents in higher vocational colleges has been accelerated due to the influence of local or corporate economic development needs. As my country's comprehensive national strength has increased, more and more international students have begun to go to China for education, and many problems have also appeared in the process. The first is that a complete education model has not yet been formed for international talents, especially for higher vocational colleges. There is a big gap between their own educational resources and the level of teachers and other higher education institutions. Therefore, for international talents There are not enough teaching

resources and facilities for training, so that the teaching effect cannot be guaranteed.

Secondly, there are obvious language barriers between foreign students and teachers in higher vocational colleges. Most higher vocational colleges still use Chinese for teaching in the course of teaching courses, which makes foreign students have different language problems [1]. At the same time, there are obvious differences in thinking and behavior patterns between foreign students and Chinese students. The teachers in higher vocational colleges lack the corresponding teaching experience, so that the teaching mode in teaching cannot be well adapted to the thinking of foreign students. In the long run, it will inevitably cause serious obstacles to the learning of international talents. Therefore, in order to strengthen the training of marketing skills for international talents, it is necessary to solve the various problems existing in the current stage of teaching, so as to solve the problem in order to ensure the teaching effect.

3. MARKETING SKILLS TRAINING STRATEGIES FOR INTERNATIONAL TALENTS IN HIGHER VOCATIONAL EDUCATION

Marketing majors have high requirements for professional marketing skills, and international students have natural business English advantages. Therefore, in the skill training, we should focus on cultivating students' network marketing ability, promotion planning ability, market research and forecasting ability, sales promotion ability, etc., In order to cultivate comprehensive international marketing talents. In higher vocational education, the training of marketing skills for international talents can be strengthened from the following aspects:

3.1 Train an international faculty

In the current training of international talents in higher vocational colleges, the outstanding problem is the lack of teachers, and teachers do not have enough language communication skills, which hinders the teaching effect. Therefore, it is necessary to speed up the training of international teachers in higher vocational colleges. On the one hand, higher vocational colleges may improve the teachers' English proficiency by training the original teachers' language ability, and advocate the use of all English for teaching in the teaching process, so as to achieve barrier-free communication between teaching and international students, and provide The technology for young teachers to study overseas, so as to promote the simultaneous improvement of language ability and marketing ability, so that the international literacy of teachers can be improved. Secondly, higher vocational colleges can introduce marketing talents who have returned from studying abroad, and their teaching content

and teaching methods will be more in line with the thinking of international students, so that they will be more easily accepted by international students. By building a strong international faculty team, it can promote the improvement of the conditions for running higher vocational colleges and attract more international talents.

3.2 Adopt international teaching concepts

To cultivate international marketing talents, we must first help students develop an international vision. Therefore, international teaching concepts must be applied to the training of marketing skills. On this basis, it is necessary to change the traditional teaching mode and transform the main body of teaching into students, so as to stimulate students' enthusiasm for learning to the greatest extent. At the same time, teachers of higher vocational marketing majors must actively learn foreign advanced teaching concepts, analyze and master the thinking mode of international talents in the teaching process, so as to continuously adjust their own teaching plans to adapt to the education of international talents. Habit. For example, the traditional Chinese teaching in large classes is changed to small class teaching, marketing skills learning is carried out in the form of group cooperation, and students are encouraged to collect data and summarize them independently, so as to activate students' thinking, so that the knowledge gained can bring students a deeper impression. In the process of evaluating students' performance, diversified evaluation methods should be adopted, instead of taking test scores as the only evaluation standard. Only by considering students' practical ability and overall quality can the fairness and justice of performance be guaranteed [2].

3.3 Make full use of Internet technology

In this information age, the development of all walks of life is inseparable from the support of Internet technology, and the same is true for the marketing profession. Under the influence of the Internet, marketing strategies have also begun to shift to digital and informatization. Mastering Internet marketing methods has become a marketing skill that international talents must master. On the one hand, in the teaching process, teachers can use a variety of new media technologies to carry out teaching in the form of webcasts, video courses, etc., which can enable higher vocational education to break through the

limitations of traditional classroom teaching, thereby facilitating international talents to carry out anytime, anywhere Marketing skills learning. Taking video courses as an example, international students can adjust courses according to their own learning progress and habits, so that they can overcome difficulties in learning and promote the improvement of learning efficiency. On the other hand, it is necessary to actively carry out network marketing courses in teaching, and explain in detail the skills and difficulties that need to be mastered in network marketing, especially the difference between network marketing and actual marketing, so as to help students better grasp the essence of marketing, Continuously enhance one's own marketing professional skills in the study, so as to cultivate excellent international marketing talents for higher vocational colleges and promote the continuous improvement of the level of higher vocational colleges.

4.CONCLUSION

With the gradual development of higher vocational colleges, the continuous improvement of its teaching resources has also attracted more and more international students. They hope to learn professional skills and knowledge in China's higher vocational colleges, including marketing as major Current popular majors are even more popular with international students. However, there are still many problems in the current marketing skills training of international talents in some vocational colleges. Therefore, this article mainly explains how to build an international faculty team. Adopt international teaching concepts and make full use of Internet technology to promote the training of marketing skills for international talents, so as to promote the improvement of teaching effects.

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Reform Of Educational Management in Higher Vocational Colleges Under the New Situation

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Abstract: With the rapid development of social economy, there is a growing demand for skilled talents in all walks of life in China. However, for the educated youth coming out of colleges and universities, they have a high level of scientific and technological mastery and knowledge level, but this can not fully meet the job demand of skilled talents. Therefore, vocational education is needed to effectively cultivate and provide more skilled talents for all sectors of society. Higher vocational colleges are the cradle of cultivating technical talents. They need to carry out continuous reform and innovation to follow up the pace of the development of the times. In order to meet the needs of national construction, higher vocational colleges must cultivate high-quality skilled talents through reform and innovation. According to the development problems in the process of reform and innovation in Higher Vocational Colleges at the present stage, the author discusses some effective strategies, hoping to help the development of vocational education.

Key words: Higher vocational colleges; Education management; Innovation; strategy

1. INTRODUCTION

With the rapid development of China's economy, at this stage, all walks of life in society have an increasing demand for high-quality skilled talents, which is not only reflected in quantity, but also requires skilled talents to have excellent professional level and quality. Therefore, this is not only a new challenge faced by higher vocational colleges, but also an important opportunity for reform and innovation of higher vocational colleges. However, there are still some problems in the current education management of higher vocational colleges. We must actively carry out reform and innovation, so as to break the shackles restricting the development of higher vocational colleges, break through the bottleneck and inject new vitality into the sustainable development of higher vocational colleges.

2. EDUCATIONAL MANAGEMENT IN HIGHER VOCATIONAL COLLEGES NEEDS ACTIVE REFORM AND INNOVATION

2.1 Reform is to better meet the needs of the development of the times

China is not only the most populous country in the world, but also a leading manufacturing country. Through years of reform and innovation, China has developed its manufacturing industry to get rid of the dilemma of backwardness and move towards the world-class level. At this stage, China's manufacturing industry gradually occupies an important position in the world. However, behind the rapid development of manufacturing industry,

more skilled talents are needed to add bricks and tiles [1]. Therefore, for higher vocational colleges, the cradle of skilled talents cultivation, we must actively reform and innovate to meet the needs of the development of the times. Only in this way can we cultivate more high-quality and professional comprehensive technical talents. The development of the times has brought great challenges to the educational work of higher vocational colleges. At the same time, it is also an opportunity for the development of higher vocational colleges. Therefore, higher vocational colleges need to make use of various resources brought by social development to actively improve and innovate the existing teaching management mode. In order to improve the teaching quality and education level of higher vocational colleges at the present stage. In the process of teaching, teachers need to abandon the old educational ideas and teaching methods in traditional vocational education. Actively introduce advanced teaching concepts and improve teaching methods, inject new vitality into vocational education, and strive for every student graduating from the school to become useful technical talents in the society and improve their market competitiveness.

2.2 Vocational education system needs to be improved

For the current education management of higher vocational colleges, the most important goal is to build a perfect vocational education system through the implementation of reasonable schemes. To achieve this goal, first of all, vocational colleges need to improve the management mechanism, launch their own professional brands and improve the market competitiveness of the school [2]. At the same time, we should improve the talent training mechanism of the school according to the talent demand of the market, and improve the professional level of teachers in the school through training and further study. Only in this way can the teaching level and quality of vocational colleges be further improved and lay a solid foundation for cultivating comprehensive high-quality skilled talents.

3. PROBLEMS EXISTING IN THE CURRENT EDUCATION MANAGEMENT OF HIGHER VOCATIONAL COLLEGES

3.1 Education management level needs to be improved

Due to the rapid development of China's social economy, the demand for skilled talents in all walks of life is increasing. Therefore, in order to meet the social demand for high-quality skilled talents, many higher vocational colleges blindly expand their enrollment without considering the resource ratio of their own colleges [3]. Therefore, the educational resources of most higher vocational colleges can not match with many students,

which also leads to the gradual decline of the school's educational level.

3.2 Blind expansion of enrollment leads to students' professional level not up to standard and employment difficulties

In order to maximize the income, vocational colleges only blindly expand the number of students, ignoring the improvement of their teaching level and education quality, so that the students in school do not have enough educational resources, and their knowledge and skills are stretched. At the same time, the teachers in the school will also decline in the quality of education for the suddenly increased number of students, which will eventually lead to the low mastery of vocational skills of each group of students who graduate from the school, damage the social interests of the school, and finally make the development of Vocational Colleges in a long-term stagnation or even retrogression.

3.3 The low level of teachers leads to the low level of teaching

Different from colleges and universities, higher vocational colleges focus on cultivating technical application-oriented talents, and colleges and universities are the cradle of cultivating academic talents. For the cultivation of academic talents, teachers have enough knowledge to teach. However, teachers in higher vocational colleges need to cultivate students' practical ability from the perspective of practice to enable them to master certain skills [4]. At this stage, many higher vocational colleges are jointly founded by enterprises and schools. There is a lack of high-tech teachers. Many teachers only have sufficient theoretical knowledge and lack professional practical skills, so they are relatively weak in the process of practical teaching of students' professional skills. At the same time, in higher vocational colleges, many teachers and teachers also act as head teachers, which leads to the high work intensity of teachers and insufficient time for class management, which leads to the loose phenomenon of students' learning discipline.

3.4 Reform and innovation approaches of Higher Vocational Colleges under the background of the new era
For the problems in the current education management of higher vocational colleges, first of all, higher vocational colleges should actively change the traditional ideas [5]. We should not lower the enrollment threshold of colleges and universities because of immediate interests. We should ensure the comprehensive quality of students through the enrollment threshold. In the teaching and management of the University, we can follow the example of colleges and universities to implement the credit system.

Students studying in the school must pass the course study for the final examination, not only theory, but also practice. In the final examination, they can get the corresponding credits only by passing the standards specified by the University. Finally, the credits of all subjects are taken as the summary and evaluation of students' graduation. Corresponding credits shall be set for students' theoretical knowledge learning and extracurricular practice. The credit system shall restrict and encourage students to complete various teaching objectives formulated by the school, so as to promote their mastery of knowledge and skills.

4. CONCLUSION

To sum up, human society has entered a new era of rapid development. In the process of this era, all walks of life have higher quality requirements for employees participating in production management. Therefore, higher vocational colleges need to actively change the traditional education management concept in education management, face new challenges, go upstream and seize the opportunities of the development of the times, Keep up with the pace of the times. In the educational management, we should adhere to the people-oriented educational development concept, open up a new development path of higher vocational education, provide more high-quality and skilled talents for the country and society, and make positive contributions to the development of society.

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Thoughts On the Artistic Inheritance of Su Opera from The Perspective of Mass Communication

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Abstract: Su opera is one of the urban music, culture and art forms in Suzhou. It has experienced several ups and downs in the historical changes of more than 300 years. Relying on the soft language of Wu Nong in Suzhou, it records the continuity of Suzhou context with gentle and beautiful tunes and delicate and moving singing. Now, in the new era of the inheritance and development of Su opera, the difficulties faced by Su opera need the support of national and government policies and projects, and bring together the joint efforts of the arts, academia and mass media to protect and promote the development of Su opera and create its urban music and cultural image. The inheritance and development of Su opera is of great significance to carry forward diversified local traditional art.

Key Words: Su Opera; Inheritance; Spread

1. INTRODUCTION

Suzhou, the birthplace of Wu culture, has a history of nearly 2500 years. It was listed in the first batch of national famous historical and cultural cities in 1982. As a Suzhou local opera with a long history, Su opera has a history of more than 300 years. It is one of the icons of Suzhou urban music culture. Relying on Suzhou dialect, its melody is gentle and beautiful, and its singing is delicate and moving. It has "the beauty of Pingtan language, the beauty of Kunqu performance and the beauty of Wu Song Melody", which is the continuation of Wu local context. After several ups and downs, Su opera reflects the changes of the cultural environment of the ancient city of Suzhou and records the process of historical and cultural development. With the strengthening of the rescue and protection of traditional culture and local operas in China, the State Council included Su opera in the first batch of national intangible cultural heritage list on May 20, 2006, and Su opera entered a new beginning of inheritance and development. Today, with a wide range of public horizons, the author puts forward the following realities and Thoughts on the inheritance of Su opera art for common discussion.

2. DIFFICULTIES IN THE INHERITANCE AND DEVELOPMENT OF SU OPERA

With the concern of the CPC Central Committee and the strong support of Suzhou municipal government, Su opera returned to the stage after 10 more years of extinction, but its inheritance and development still face the following difficulties.

2.1 Dilemma of drama inheritance and innovation

Part of the repertoire of Su opera comes from Kunqu

Opera. The number of repertoires preserved by itself is small, and it is difficult to rescue and inherit, which is different from other local operas in China. Secondly, the traditional repertoire and performance skills of Su opera are lack of systematic and orderly sorting and recording, which leads to the difficulty of inheritance.

In addition, creative talents are weaker than performing talents. Su opera is a local opera. The creators of Su opera need to know Su opera, understand Suzhou and speak Suzhou dialect; Today, when the number of Suzhou dialects has dropped sharply, and even when most young Suzhou people don't know why Suzhou opera is, few people can meet other conditions; In addition, due to the popularity and public recognition, only a few playwrights who are familiar with Suzhou local drama prefer to join the creation of Kunqu opera or Pingtan. Therefore, Su opera is still facing the lack of new plays.

2.2 Fault of inheritors of Su Opera

According to the information statistics of Suzhou intangible cultural heritage information network, there are 8 inheritors of Suzhou opera at all levels, including 2 national intangible cultural heritage inheritors - Yin Siming and Yin Jiaqi (Yin Jimei), one provincial inheritor of intangible cultural heritage - Ling Jiqin, and five municipal inheritors of intangible cultural heritage - Liu Jiyan, Liang Qinqin (Liang Chengzhi), pan Yuqin, Xue Nianchun (Chengyu) and Wang Fang. Among the eight, Yin Siming is the first generation of inheritors, born in 1921; six are successors and inheritors of Soviet opera, most of whom are 70-80 years old; only Wang Fang is among the eight (1963 -) is a descendant of the Hongzi generation. The number of inheritors is small, the age is too old and there are faults, which is another dilemma in the development of Su opera.

2.3 The influence of Kunqu Opera on Su Opera

From the development process of Su opera, when Kunqu Opera declined, Su opera also had its "golden age", and even saved the purpose of Kunqu Opera. However, as long as the pattern of simultaneous performance of Su and Kunqu Opera is not broken, under the influence of the high popularity of Kunqu Opera, it is difficult for Su opera to form a unique performance style, the artistic talent of Su opera actors can not be displayed, and it is difficult for Su opera to form a fixed audience. Under the current situation, the current Su opera can not be compared with Kunqu Opera in terms of repertoire, actors, inheritance and performance times. Therefore, it is urgent for Su opera to show its own characteristics and advantages so that it does not depend on the reputation of Kunqu Opera.

2.4 Impact of popular culture on the art and culture of Su Opera

Popular culture is produced under the background of industrialization, urbanization and mass media. Especially since the 1990s, the rapid development of information technology, the rapid rise of the Internet and the diversified forms of mass media have made popular culture an increasingly noticeable phenomenon in modern society. It attracts most young people and some middle-aged and elderly people who pursue relaxation, fashion and personality. It also impacts the development of opera culture, making it difficult for people in the huge wave of rapid economic and cultural development to quietly and attentively appreciate the traditional opera culture with a long history and recording the development of human civilization. Therefore, the innovative form of Su opera is particularly important.

2.5 Lack of academic research on Soviet Opera Art

Academic research is the theoretical basis of artistic practice. Su opera art has experienced long-term artistic practice. Theoretical research is needed to analyze its artistic characteristics from all aspects as a support and promote its development. In China, the academic research on the art of Su opera is particularly scarce. The total amount of academic literature in recent 60 years is only 1% of that of Kunqu Opera; 7% of Pingtan research. Academic research orientation can indirectly promote the development of art practice from multiple disciplines. It can be seen from the academic research of Kunqu opera art that with the substantial increase in the number of academic papers, more and more experts and scholars pay attention to Kunqu opera art. The research perspective has developed to more than ten disciplines such as drama, music, history and literature, which fully reflects the comprehensiveness and multi-disciplinary integration of the research on Kunqu opera art, And it can add new blood and carry out various innovations from the multi-disciplinary research results; At the same time, the improvement of discipline attention can also produce interdisciplinary communication and cooperation, so as to provide more innovative practice for the development of new Kunqu Opera programs or new forms. It can be seen that the art of Su opera needs more academic attention, so as to make the academic community know more about Su opera art, attract innovative and creative talents of Su opera art, and promote the inheritance and development of Su opera art.

3. THOUGHTS ON THE INHERITANCE AND DEVELOPMENT OF SU OPERA ART

Since 2006, with the support of the state and the government, although the rescue, protection and inheritance of Su opera have been carried out, and some achievements have been made, the difficulties faced by Su opera and its future development are still worrying. Therefore, the author puts forward the following thoughts in order to make a little contribution to the inheritance of Su opera art.

3.1 Thoughts on the artistic communication of Su Opera

On the basis of oral transmission and spectrum transmission, the art of Su opera has developed into

today's mass media, and its communication channels and speed have developed greatly. However, from the perspective of development, its communication mode still needs to be further improved.

3.1. 1 Increase spectral transmission and its integrity

"Musical scores is the recording and inheritance of music works or music creation. It is the reproduction of information. Its characteristic is that it can copy information in large quantities at low cost, making the information current, super space-time and standard". [1] It can be seen that musical scores is an effective way to record, retain and inherit music. At present, the musical score materials about Su opera that can be found in academic resources, libraries and the market are part of the collection of Su opera tunes published by Jiangsu literature and Art Publishing House and the collection of Su opera tunes compiled by Suzhou Opera Research Office. It contains the target fragments of the play arranged according to the tunes and recorded in the form of a single voice part. The art of Su opera is a multi part music form formed by singing and accompaniment. It is equally important for the recording and dissemination of the sound part of its accompaniment instrument. If there is the dissemination of complete music score, academic research can analyze its music characteristics and creative techniques, and the theoretical results can provide reference for music creators to try creation and innovation, Therefore, the complete recording and dissemination of music scores is beneficial to the development and innovation of Su opera creation. In addition, the reprint printing of existing materials can be appropriately increased. Only a few libraries have collections of the above-mentioned music scores, and some of them can not be lent out. In today's information age, the lack of data should not hinder the understanding, learning and research of Su opera.

3.1. 2 Widely used mass media

Mass media has developed from books, magazines, radio and television to electronic communication and network communication, including concerts, orchestras, schools and other music institutions. [2] Each media mode may attract new fans, enthusiasts and research scholars for Su opera. First of all, the traditional way of dissemination of books and periodicals is still more important. Like music scores, the printing volume of existing books should be increased. In addition, the writing and publication of new books should be promoted. Secondly, strengthen TV, electronic communication and network communication. Although Su opera has been spread in big cities, the number of people who know and understand Su opera is far from enough to support the inheritance and development of Su opera. In this regard, we can learn from the successful experience of Kunqu Opera communication. Before Kunqu opera was listed in the intangible cultural heritage list in 2001, Kunqu opera was in a low state and its development prospects were just like the current Su opera. After 20 years of inheritance, development and dissemination, Kunqu Opera is now the name card of Suzhou urban music culture, and its spread is further overseas. Therefore, the spread of Su opera can find its

own characteristics and spread widely on the basis of learning from the communication experience of Kunqu Opera. In addition, the ongoing activities such as elegant art into the campus and elegant art into the community have a good project foundation. If they can be carried out continuously, they can also boost the spread of Su opera.

3.3 Thoughts on Soviet opera art and urban economy

"Economy is the foundation of all cultural undertakings, and culture increasingly promotes economic development. The interaction between culture and economy forms urban cultural economy or urban cultural industry". [3] In this regard, Kunqu Opera and Pingtan are both successful cases of urban culture and economy in Suzhou. Therefore, the role and position of Su opera in urban culture and economy should be strengthened. While promoting urban tourism culture, the resources of Su opera art should be well used to achieve the combination of urban economy and Su opera art and culture. Through the characteristics of Su opera telling Suzhou stories in Suzhou dialect, visitors can understand the cultural and artistic characteristics of Suzhou.

"Art Festival" is a more effective way to promote the linkage between the art development of Soviet opera and the urban economy. In the past, the holding of Art Festival can attract a large number of professional actors, industry scholars, lovers and tourists. This can not only effectively spread the art of Su opera in a short time and on a large scale, but also promote the development of urban economy. Of course, the holding of the art festival needs the support of the state and the government. It needs the joint achievements of the rehearsal of the drama in the early stage, the preparation in the early stage of the art festival, the reception during the art festival, media communication and other factors.

"Academic seminar" and "Art Festival" have a common promotion role. The difference is that academic seminar is the crystallization of theoretical research. It can attract a large number of professional scholars and form a certain number of academic achievements. The author has studied other topics. After each academic seminar, the number of papers on this topic will increase significantly, that is, academic seminars can promote the development of a topic or even a discipline. Therefore, when there is a lack of academic research on the art of Su opera, scholars can be encouraged to conduct relevant research and Discussion on the art of Su opera in the form of academic seminars, and the formed academic achievements can play a role in the development of Su opera art.

"Creation competition" is the crystallization of artistic practice. Like "academic seminar", it can attract a large number of excellent creators and form new plays or forms. Because there are many local characteristics of Su opera, such as dialects and tunes, the scale of this kind of creation competition should not be large, and the small and refined activity form is more suitable for the creation of Su opera art.

The above forms can promote the development of Su opera art and urban economy. They are an effective way for cultural economic interaction and the formation of urban cultural economy.

3.4 Thoughts on the art and people of Su Opera

Music life is realized by people, People here include musicians (composers and performers), listeners, sellers, sponsors and music researchers. [4] Among the five kinds of people who can promote the development of Su opera art, first of all, musicians are in short supply. Performers can recruit students through Suzhou Su opera transmission and Protection Center, and gradually increase the number of actors. In contrast, composers are more in short supply. It is also necessary to expand the Su opera creation team through policies, projects, competitions and other forms. Secondly, audience is one of the important factors for the inheritance and development of Su opera. It is necessary to have a stable and certain number of audience. There is a sociological measurement method in the United States, which can accurately classify the 'cluster' of audience groups. [5] today, with the rapid development of big data in China, it should also have its corresponding calculation method, which can accurately push to the audience and potential audience groups, expand the scope of audience and gradually form a stable audience group. Music sellers can also be understood as music organizers. Once there is a relationship between supply and demand in the music culture market, there will naturally be organizers and sellers. At present, the sponsors of Su opera music are mainly the state and government. In addition, they can also seek the sponsorship of art businessmen or private entrepreneurs. There is also a shortage of music researchers mentioned above. The reasons are: first, the attention to the art of Su opera is not high; second, there are few available materials or documents related to Su opera; third, Su opera belongs to local operas. To study Su opera, we need to understand the history of Suzhou, the history of Su opera, the music of Su opera and Suzhou dialect. Therefore, on the whole, the five categories of people who can promote the development of Su opera art are in short supply. They need practical policies and projects to attract talents so that they can truly inherit, perform, publicize, spread and develop.

4. CONCLUSION

Su opera, known as the "mother of Tan spring", has experienced several ups and downs in its 300 years of development. After historical changes, it has developed into a unique style while integrating Southern Ci, Tan spring and Kunqu Opera. It records the development of history, humanities and culture in Wu, and has become an art form of urban music culture in Suzhou. The prospects for the inheritance and development of Su opera are both bright and worrying. I hope the state and the government can have more policies and projects to cultivate Su opera performing talents, creative talents and theoretical research talents, and escort the inheritance and development of Su opera by enhancing the interaction between theory and practice, culture and economy, musicians and listeners, Make every effort to create the "three flowers" of Suzhou urban music culture, including Kunqu Opera, Pingtan opera and Su opera.

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Study On the Application Value Path Of “Huailutang Poetical Talks” In Poetry Teaching

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Abstract: Huilutang Poetry is a poetic work written by Li Dongyang in the middle of the Ming Dynasty. It contains abundant poetic theories, especially its poetic view of emphasizing emotion and image, which has positive guiding significance and application value to the current poetry teaching of College Chinese.

Key Words: Huilu Tang Poetry; Teaching Value Path

1.THE DIFFICULTIES OF POETRY TEACHING IN COLLEGE CHINESE

Poetry is not only an important genre of Chinese literature, but also an important form of the continuation of Chinese splendid culture. Learning poetry is not only an important mission of contemporary college students, but also an important way to enhance their confidence in Chinese culture. However, the present situation of poetry teaching in College Chinese is not optimistic. The students' desire to learn poetry actively is weak, their interest in poetry learning is not strong, and the students are getting further and further away from poetry. Why is this so? Reason is various, college students' poetry learning method is not scientific, lack of learning atmosphere, is increasingly considered a profound art and poetry on the shelf, light affective heavy problems are increasingly prominent in the form of poetry, poetry language cannot into daily language expression and writing practice, poetry is not close to the students, their lives and reality. In addition, the teaching hours of College Chinese are gradually reduced. In my school, for example, there are only 24 hours in total. In such a small number of class hours, to systematically introduce the prose, ci fu, poetry, novels, opera, even including practical writing and foreign literary works, in the teaching of poetry on the class is even more limited. In such a short time, but need to finish sorting out the history of poetry, analysis and appreciation of many poems, training and improving students' aesthetic taste and other heavy tasks. In this context, it is a difficult problem for the teaching reform to break through the poetry teaching dilemma of "College Chinese". How to prevent students from throwing poetry farther? Li Dongyang's "Huilu Tang Poetry" may provide us with some useful reference and inspiration for the poetry teaching of "College Chinese". In huilutang Poetry, he emphasized that emotion and image should be regarded as an important criterion for poetry appreciation, and poems with emotion, image and artistic conception are excellent poems. His viewpoint of valuing emotion and image poetry appreciation has theoretical guiding significance and practical application value to break through the current dilemma of poetry teaching in College Chinese, which helps to improve

teaching methods and teaching efficiency, and effectively enhances students' appreciation ability and aesthetic interest.

2. POETRY TEACHING VALUE OF HUILU HALL POETRY

The kingdom of China since ancient times is a poem, the "book of songs", "li SAO", respectively, as the two source of realism and romanticism poetry, it is they, two water distribution, since then, the development of Chinese poetry endless miles, excellent works of poetry theory are emerging, 1 "zhen huai west hall" is the most famous of these. As the representative work of Ming zhen, contains rich theory of poetry appreciation, especially the emotion, imagery, as an important standard of evaluating quality of poetry, to break through the "college Chinese" poetry teaching dilemma has positive guiding significance and application value, namely, the emotion is the soul of poetry, the image of the flesh and blood of poetry, Poetry in "college Chinese" classroom teaching requires the feelings and images that poetry "seven inches" and "key" to guide the student to grasp well the essence and the essence of the poetry, can greatly stimulate students learning interest, to make the teaching of college Chinese poetry anthology get twice the result with half the effort effect, can effectively the continuation of Chinese excellent cultural tradition. Fully absorb the west church zhen "theory of poetry appreciation, not only can cultivate the contemporary college students' specific poems appreciation and poetry appreciation ability, but also can cultivate and improve the contemporary college students' aesthetic temperament and interest, can also change the contemporary outlook of contemporary college students, college students should try thinking and cultivate the spirit of the contemporary college students' independent thinking and oral expression ability. Therefore, combining the poetry appreciation theory of Huilutang Poetry with the classroom practice of college Chinese poetry teaching and guiding practice with the theory can not only provide method guidance for the teacher's poetry classroom teaching, but also play a role in cultivating students' noble sentiment and cultivating profound aesthetic appreciatio

3. POETRY TEACHING PATH OF HUILU HALL POETRY

evaluating the quality and superiority of poems. Poems with emotion, image and artistic conception are excellent poems; otherwise, they are inferior poems. For example, huilutang Poetry: "Poetry is not a religion among the six classics, but also covers the music among the six arts. Music begins with poetry and ends with rhythm, voice and music. And take the sound of the sum of people, to pottery

to write feelings, feeling hair zhi meaning, blood soup, circulation spirit, as for dancing and not conscious." Li Dongyang believes that poetry and music exist and develop mutually, which is an organic whole. Both of them are expressions of thoughts, feelings, cultivation and interests, and both attach great importance to emotional expression. Therefore, we can learn from li Dongyang's poem appreciation of huilutang, which emphasizes emotion and image from the classroom teaching practice of College Chinese, that is, to help students experience poetry emotion based on emotion, and to help students experience poetry artistic conception based on image.

3.1 Based on emotion, help students to have emotional resonance with the poet

"Poetic affection" is the tradition of Chinese poetry. As an independent style, poetry is characterized by strong lyricism. The emotion of poetry not only reflects the wisdom and soul of a nation, but also reflects the national emotion and its development process. To understand the essence of poetry is to realize the emotional communication between readers and authors. Huilutang Poetry says: "Poetry has its own material, not guan shu; Poetry is not interesting, it is not about reason. However, it cannot be done without reading as much as it is sensible. Nothing can be done differently about poetry. The little husband, the scribe, the woman, the true feelings, secretly and occasionally, solid do not stay in the teaching." ③ One of the distinctive features of Li Dongyang's Huilu Tang Poetry is that he attaches importance to emotion and regards emotion as a standard to judge the quality of poetry. In his eyes, "different material" and "different interest" lie in the fact that the creator of poetry has true feelings. True feelings are the most successful part of poetry.

Therefore, in the poetry teaching practice of "College Chinese", we should pay attention to "moving with emotion", and understanding emotion is an essential step and also the most crucial step. As the teacher of "College Chinese" course, when conducting poetry teaching, he should take emotion as the basis to help students and poets to achieve emotional communication. The teacher should help the student dig deeply the thought and emotion contained in the poem, then grasp the poetry emotion vein experience the author's time background and the heart change, make the student and the poem author have the emotion resonance, namely with love, with hate, with joy, with sorrow.

3.2 Guide students to experience the artistic conception of poetry with the image as the starting point

Chinese classical poetry attaches great importance to the artistic conception and poetic art of pursuing works through images. The so-called image refers to the concrete image of objective things that permeates the poet's subject sentiment. The so-called artistic conception refers to the image system and the aesthetic imagination space developed by the combination of scene and reality in the lyric works. Li Dongyang proposed in Huilu Tang Poetry that poetry should attach importance to image and highlight artistic conception. Huilu Hall Poetry says, "Ancient songs are expensive and simple." Strong wind
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song" stop three sentences, "easy water song" stop two sentences, its gratitude solemn and stirring, short and long meaning. The clip Clip song ends with its own meaning of sorrow and hatred. ⑤ Li Dongyang advocated that poetry should pay attention to the selection and use of images and the creation of poetic artistic conception. His examples of Wind Song, Easy Water Song and Clip Clip Song are all excellent use of images to highlight the aesthetic space of blending the scene and the combination of the virtual and the real, which have infinite poetic interest and lasting appeal and enable readers to acquire richer poetic connotations. Just as sikongtu said, "Without a word, it's all romantic."

Accordingly, in the teaching of college Chinese poetry anthology, in order to further the abstract theoretical generalization of specific, also in order to help the less experienced art, literature, speculative ability is not strong non-chinese students to accurately understand the essence of the artistic conception, can draw lessons from 1 poetry view above, i.e., according to the image as the gripper, guide students to appreciate poetry artistic conception. For example, in du Fu's poem "Moonlight night" teaching: "Tonight state month, boudoir only see alone. Remote pity small children, not recall chang 'an. Sweet mist cloud girl wet, qinghui jade arm cold. When to lean on the ghost, double as dry tears." In the teaching of this poem, we should focus on the image, grasp the specific image of "moon", experience the beautiful artistic conception formed by the combination of feeling and scenery, virtual and real, and feel the poet's deep yearning for his wife and children in the chaos.

In Li Dongyang's eyes, the essence of "different material" and "different interest" is to emphasize that emotion is the soul and core of poetry. At the same time, he also pointed out that the artistic conception of a poem is composed of a series of images with poetic and pictorial meaning, and the generation and multiplication of poetic flavor and the richness of artistic charm all depend on the appropriate image fusion and casting combination. This inspires us in the poetry teaching practice of "College Chinese", the poetry teaching should not only guide students to grasp the poet's emotional pulse, deeply understand the poet's heart course, and strive to produce emotional resonance with the poet. At the same time, we should take image as the starting point to guide students to recognize the origin of artistic conception, so as to help them better understand the ideological content and artistic characteristics of the works.

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Research On the Industrial Application of Microbial Lipase

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Abstract: Lipase is an important industrial enzyme preparation that catalyzes reactions like ester hydrolysis, esterification, and ester exchange. This paper review and prospects the application of microbial lipase in the fields of oil processing, noodle processing, feed industry and detergents.

Key Words: Microbial Lipase; Oil Processing; Feed Industry

1. INTRODUCTION

Lipase, also known as triglyceride hydrolyase (EC 3.1.1.3), can catalyze the hydrolysis of triglycerides into glycerol and fatty acids, but also catalyze alcohololysis, esterification and ester exchange of ester compounds, have mild reaction conditions, low energy consumption and less by-products^[1], widely used in food processing, feed industry, biodiesel, detergent and other fields. There are many kinds of microbial lipases, with a wider range of action pH than animal and plant-derived lipases, and its an important source of industrial lipase. This paper reviews the application of lipase in the food industry to provide reference for the relevant research of lipase.

2. INDUSTRIAL APPLICATIONS OF LIPASE

2.1 Application of lipase in grease processing

Lipidase can catalyze oil reactions such as ester conversion, ester exchange, and hydrolysis. Biodiesel is a renewable energy source prepared from the ester exchange reaction of animal and plant oils and short-chain alcohols. The most typical biodiesel is the fatty acid methyl ester. Biodiesel synthesized by lipase method has the advantages of renewable, easy biodegradation and waste-free production, and has become a research focus in recent years. Bharathiraja used marine macroalgae, catalyzed biodiesel synthesis yield of more than 85%, with little loss of lipase activity at the end of the reaction^[2]. Hu Fang used lipase Lipozyme TLIM to catalyze the ester exchange reaction for the synthesis of cocoa lipids, resulting in a cocoa lipid yield rate of up to 85.5%^[3]. Yang Jian-bin used *Rhizopus oryzae* lipase and *Candida rugosa* lipase compound immobilized lipase to catalyze the synthesis of biodiesel from kitchen waste oil. The conversion rate of biodiesel for 21 h reached 96.5% with the compound immobilized lipase content of 30%, the water content of the system was 10%, the reaction temperature was 45°C, and the methanol was added 10 times^[4].

2.2 Application of lipase in noodle product processing

Adding lipase to the dough can improve the rheological characteristics, bread quality, steamed bread quality, etc., and have a good effect on improving the internal tissue structure of bread products, bread core softness and other

indicators of bread products. After experimental research, Sara Melis found that the effect of lipase on bread volume is related to the interface stability of gas and gluten in the dough, that is, it enhances the strength of the small gas chamber in the dough, makes the distribution of the dough tissue gas chamber more uniform, and it is not easy to break and combine into large holes, which can effectively increase the volume and support of the bread^[5]. Zhang Fang-fang studied the effect of five enzymes on fermented dough and steamed bread, which improve the color of dough. Among which, the effect of lipase is the most significant, lipase promotes yellow pigment degradation, improves tensile resistance, reduces viscosity, thus improving internal tissue to improve the color of steamed bread^[6].

2.3 Application of lipase in the feed industry

Addition of lipase to the feed can effectively supplement the deficiency of animal endogenous digestive enzymes, improve the digestion, absorption and utilization of external fat during animal growth, and supplement the essential fatty acids required by the animals. Fei showed that the addition of exogenous lipase YLL2 to the diet significantly improved the growth performance of the hybrid sturgeon, increased the content of DHA and EPA, helping to maintain the physical barrier of the gut and improve its immune capacity^[7]. Tan showed that through experimental studies, adding lipase to the feed can increase the weight gain rate of 4% to 10% and 2% to 7% feed utilization in pigs and poultry, and can also reduce the excretion of feces^[8].

2.4 Application of lipase in the detergent industry

The surfactant added to the detergent formula is mainly lipase, lipase, which can quickly remove the sebum and food residue on the surface of clothing in a short period of time to achieve efficient and environmentally friendly results. Li Ling studied the removal of oil in the pipeline by detergent, and showed that the addition of lipase cleaner solved the previous problem of pipeline blockage caused due to the slow natural degradation of oil, and achieved the effect of neither physical cleaning and chemical cleaning^[9].

3. CONCLUSIONS

There are many kinds of microbial lipases, with a wider range of pH than animal-plant source lipases, which is an important source of industrial lipase, but lipase has problems such as high cost, low activity and poor stability in industrial applications. Therefore, the development of microbial lipases with novel catalytic activity, low cost and high stability is a hotspot and focus at this stage. Getting microbial lipases through genetic engineering,

immobilized recombination, and chemical modification techniques will provide great potential for their commercial applications.

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Based On Bim Technology, The Innovation and Reform of The Training Model of Construction Engineering Technology Professionals in Higher Vocational Colleges

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Abstract: Under the new situation, with the continuous deepening of BIM technology, important changes have taken place in the traditional jobs, job capabilities, implementation processes, methods and methods of the construction industry. The construction industry has also begun to improve quality and efficiency, energy conservation and emission reduction. The direction of implementation is extended. At this time, an innovative talent training model with BIM technology as the core is needed to meet the development needs of the times, increase auxiliary construction, and promote the vigorous, orderly and scientific development of my country's construction industry.

Keywords: Bim Technology; Higher Vocational Construction Engineering Technology; Talent Training Model

1. INTRODUCTION

With the continuous acceleration of urbanization, the construction industry has been rapidly developed and extended. BIM technology is a revolution in the construction industry after AUTOCAD technology. Incorporating BIM technology into the construction major of colleges and universities can not only optimize the course construction, but also improve the teaching quality of the construction major. Due to the relatively late start of my country's BIM technology, the supply of BIM talents is far from meeting the development needs of the construction industry [1]. Informationization is an important part of the development strategy of the construction industry. Higher vocational colleges also need to conform to the development trend of the times and make certain contributions to the transformation of the construction industry. In the process of supplying BIM technical talents in the construction industry at this stage, it has been unable to meet the current development needs of informatization. As the main base for training professional talents, higher vocational colleges also need to assume the main responsibility of cultivating high-quality talents, expand students' learning resources through BIM technology, maximize students' practical ability, and contribute to the sustainable development of the construction industry. enormous contributions.

2. THE INNOVATION OF THE TRAINING MODEL OF CONSTRUCTION ENGINEERING TECHNOLOGY PROFESSIONALS IN HIGHER ACADEMIC PUBLISHING HOUSE

VOCATIONAL COLLEGES UNDER BIM TECHNOLOGY

2.1 Curriculum system based on "BIM + traditional job ability"

The application value of BIM technology is strong. Vocational education and teaching should highlight "practice". After the integration of "Internet + BIM" technology, professional knowledge of the latest professional standards can be passed on, increasing students' practical construction, and organically combining theory and practice., To meet the development needs of the society and conform to the development needs of the times. The scope of BIM technology is relatively wide. Civil engineering, decoration, installation, municipal administration, gardening, etc. are all implemented and developed in a more refined direction on the basis of the entire project cycle [2]. In addition, in cross-professional joint construction, it is necessary to incorporate other methods, combining technology and management with each other, combining design and cost, and combining management and operation and maintenance. Under the life cycle, it is implemented in various professions. After combining traditional professional job capabilities with BIM technology, it is necessary to subdivide different knowledge points on the basis of informatization and establish a "BIM + traditional job capabilities" curriculum system. Whether it is a professional course or a professional development course, it is necessary to incorporate BIM courses into the courses to lay a good foundation for students to better understand three-dimensional images and virtual cognition.

2.2 Use "BIM+ Education Informationization" to innovate curriculum teaching mode

From the perspective of previous teaching concepts, most of the teaching methods used are duck-cracking teaching methods. This teaching method is relatively simple, and it is basically difficult to meet the deepening needs of teaching, and the quality of teaching is also at a low level. At this time, teachers need to uphold the main ideas of the scientific development concept, based on the flipped curriculum, take students as the center, and implement technologies such as "Internet + BIM". Teachers need to increase the overall process construction on the basis of the engineering project guidance, give full play to the leading role of teachers, increase supervision, transfer new professional knowledge, combine classroom and skill

training, and maximize on the basis of combining virtual and real. Limit the mobilization of students' subjective initiative, enhance students' innovative ability, and improve teaching quality and teaching efficiency. With the mastery of BIM technology as the core, it maximizes the students' management ability, professional skills, self-study ability, etc., helps students complete the transfer of knowledge and clarifies the professional direction [3]. Take actual engineering projects as the carrier, improve the docking ability of positions, and adopt the dual tutor responsibility system to meet the individual development direction of students.

2.3 Key points for the implementation of the reform of the BIM technology construction professional talent training model

First, there is a need to deepen cooperation between schools and enterprises. In other words, it is necessary to provide effective service quality construction for everyone in the traditional professional construction. The integration of BIM technology requires the organic integration of students' learning conditions and the service functions of vocational education under its own management advantages, a reasonable combination of theory and practice, and implementation of the project foundation. After that, it is necessary to organically integrate the traditional industries with construction companies, supervision companies, etc., to improve the seamless connection of the actual project. Maintain the construction of the BIM life cycle, extend the established projects through the foundation, increase the construction of professional course links, solve the problem of unclear course boundaries, and solve the problem of inadequate connection between courses. Second, the construction of the teaching staff needs to be improved. Teachers need to go to the enterprise for experience, introduce BIM technical knowledge, improve the closeness with the curriculum, increase the construction of the whole process of the project, and find a suitable solution. Third, with project construction management as the main line, from the beginning of the signing of the contract, it is necessary to establish the development path of the whole process, find the focus of schedule management, and maintain the input and output of the construction plan. From the beginning of the bidding in the construction phase to the final cost and settlement, it is necessary to improve management capabilities and incorporate BIM software into it. Carefully plan the content of the course, integrate the Revit 3D modeling software in BIM into the teaching, establish a 3D model, and extend the field of vision of students [4]. Deepen the school-enterprise cooperation mechanism, improve students' practical operation skills, and use school-enterprise cooperation to improve the practical ability of BIM technology. According to the needs of the enterprise, adjust the talent development structure to reduce the distance between students and actual positions. Companies also need to combine reality to provide students with a BIM practice platform, increase the construction of a team of masters, expand interaction and exchanges, and transfer theoretical knowledge, so as to achieve a win-win situation between the company and

university buildings. Fourth, it is necessary to increase the effective construction of technical competition activities. Integrate BIM technology and construction engineering organically, play the main value of "promoting learning with competition" from multiple angles, and enhance students' technical skills. Implement BIM technology practice application competitions under an open, fair and just professional competition platform. After clarifying these contents, it is necessary to increase the end-of-term assessment and implement indicators such as scholarships. Fifth, informatization teaching and assessment. In other words, it is necessary to rationally integrate BIM technology into the training of professional talents, maintain standardization, use the "Internet +" model to increase the construction of project services, and improve information technology means. In the process of deepening cooperation between informatization and education, it is also necessary to use a mixed teaching method, with students as the center, implement information technology means, improve the construction of professional curriculum resources, and increase the intensity of assessment.

3. CONCLUSION

With the progress of society and the integration of BIM technology in higher vocational construction engineering majors, teachers need to make reasonable overall planning, continuously optimize and improve the content of teaching, and help students fully understand and master professional knowledge. Taking students as the center, planning, design, construction and other connotation construction of the project, to meet the society's demand for talents. Speed up the pace of teaching reform to adapt to the development of the modern construction industry, break through the traditional restrictions, improve the BIM operation ability, and implement development towards the direction of compound talent training.

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Analysis On the Construction Mode of Ideological, Political and Educating People in The Wechat Official Account of Higher Vocational Colleges in The Era of New Media

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Abstract: In the era of new media, ideological education in higher vocational colleges through WeChat public platforms and other new media carriers is facing challenges such as insufficient content and lack of collaborative education mechanisms. This article proposes corresponding solutions to help colleges and universities develop ideological and political education. Education can be deeply rooted in people's hearts.

Keywords: New Media Era; Wechat Public Account; Ideological And Political Education

1. INTRODUCTION

With the continuous development of Internet technology, in the era of new media, college students have become the main users of new media. Nowadays, most college students are born in the post-95s and post-00s. They live in the era of rapid development of the Internet. Mobile phones and the Internet have become part of their lives. What's more, many college students have a serious dependence on the Internet. Many news transmitted on the Internet will affect the three views of college students, which also brings many challenges to ideological and political education in colleges and universities. Therefore, higher vocational colleges should make full use of new media network platforms to develop ideological and political education strategies that keep pace with the times to ensure the smooth development of ideological and political education in colleges and universities.

2. CHALLENGES FACED BY IDEOLOGICAL AND POLITICAL EDUCATION IN THE ERA OF NEW MEDIA

2.1 Lack of collaborative education mechanism

Higher vocational colleges are places where college students receive professional skills and in-depth knowledge, and college education bears the burden of cultivating a new generation of socialist high-quality talents. Therefore, in the education of college students, we should not only focus on the cultivation of professional skills, but also pay attention to the ideological and political education of college students, cultivate the correct political concepts and good moral qualities of college students, and promote the all-round development of contemporary college students. When conducting ideological and political education in higher vocational colleges, there is often a misunderstanding that ideological and political education is only the work of professional teachers and college counselors, and has nothing to do

with school education. The responsibility of college education is to impart professional skills and professional knowledge to students[1]. Most colleges and universities lack ideological and political coordinated education mechanisms, and only attach importance to professional knowledge education, while ignoring the situation of ideological and political education. College students only master professional skills without improving the overall quality level.

2.2 Teachers lack the ability to use new media

Nowadays, with the widespread application of Internet technology, the educational work of colleges and universities has been carried out in various forms, which has placed high requirements on the level of multimedia technology application of the faculty of colleges and universities. The development of ideological and political education in higher vocational colleges not only requires teachers to have a high level of theoretical knowledge, but also requires teachers to have the corresponding ability to use modern educational equipment, and to be able to flexibly use multimedia network technology in the teaching process. However, the daily teaching work of college teachers is very heavy, and there are many factors. Teachers can only focus on the transfer of professional knowledge or their own scientific research tasks, and there is almost no extra energy to learn multimedia network technology, which results in the teaching team. Unable to effectively use multimedia for ideological and political education.

2.3 The content design is not novel enough

Nowadays, most vocational colleges have opened WeChat public platforms to carry out ideological and political education propaganda work, but the article format and educational content of ideological and political education have not reached the same level. Higher vocational colleges use the WeChat public platform to carry out ideological education and publicity, interpretation of current news hotspots, and excellent article promotion, laying a practical foundation for the ideological and political education of college students. Only a small number of colleges and universities have systematically published content on the WeChat public platform. There are many sections on the public platform, including local accent reading, youth learning, and traditional culture. Most other higher vocational colleges have a single layout on the WeChat public platform, and the content of the push is boring and boring, so that college students are not

interested in reading, and it loses the function of the WeChat public platform to promote and ideological education.

2.4 The meaning of ideological and political education is not clear

The basis for colleges and universities to use the WeChat public platform to carry out ideological and political education is to allow students to recognize the school's ideological education and publicity and reach a consensus on education, and to guide students to recognize mainstream culture and ideas through new media and other publicity methods. In many cases, the WeChat platform only pushes real-time articles according to the characteristics of other festivals such as the founding of the army and the founding of the party. The number of page views of students' articles is very small. Furthermore, the content of articles pushed by the WeChat platform did not cater to students' reading preferences.

3. WAYS TO OPTIMIZE THE IDEOLOGICAL AND POLITICAL EDUCATION OF THE WECHAT PUBLIC ACCOUNT OF HIGHER VOCATIONAL COLLEGES

3.1 Build a collaborative education mechanism

In the era of new media, if higher vocational colleges want to implement ideological education and publicity through the WeChat public platform, they must follow the development concept of collaborative education and unite multiple forces to build a collaborative education mechanism. Higher vocational colleges are important bases for cultivating successors in the new era of socialism in our country. Therefore, when vocational colleges carry out college student education, they must base themselves on cultivating outstanding college students with qualified professional skills, good social morality and positive energy. It can be seen that ideological education is not only the work of professional course teachers and university counselors, but also the common educational responsibility of all departments in higher vocational colleges. The managers of higher vocational colleges should promote the cooperation of ideological and political education among professional course teachers, university counselors, and ideological and political education teachers, and jointly carry out ideological and political education and teaching work based on the concept of collaborative education.

3.2 Strengthen teachers' ability to use new media

If higher vocational colleges want to implement the propaganda work of ideological education, they must not only strengthen the new media technology ability of the teacher team, but also strengthen the corresponding ability of college students. The ideological education work carried out by higher vocational colleges is aimed at the majority of students. Now with the blessing of Internet technology, in the era of new media, it is necessary to strengthen the publicity and leading role of student cadres and party members in order to implement it from top to bottom. Implementation of ideological education work. Student cadres and party members and students can play a good leading role, become a communication bridge between teachers and students in higher vocational colleges, and play a leading role in serious study in the

implementation of ideological and political education. It is necessary to actively guide college students to learn multimedia equipment and WeChat public platforms, improve the ability of copywriting and graphic editing of students responsible for ideological and political propaganda, and always pay attention to the development of ideological and political education [2]. Improving students' ability to operate the WeChat public platform can effectively enhance the professional skills of college students, and increase their participation and sense of satisfaction in ideological and political education.

3.3 Innovative ideological and political education content design

When the WeChat public platform of higher vocational colleges promotes ideological and political education articles, they should pay attention to the continuity and systematicness of the article content in the design of the article content, so that students can realize the process of educating people when reading articles. Therefore, all higher vocational colleges must highlight the educational meaning of ideological and political education in the content of the articles they push when carrying out ideological education and publicity through the WeChat public platform, and pay attention to the current political hot topics that students care about and the difficulties that some students are eager to solve. problem. The content of ideological and political articles pushed on the WeChat platform can involve some outstanding student deeds, promote the red theme, open up the classic article reading section, and give full play to the power of ideological and political education. In the form of article creation, short videos, music, dynamic graphics, etc. can be used to insert into the content of the article to create a diversified form of article reading, enhance students' reading interest, and strengthen college students' sense of participation and identity in ideological and political education.

3.4 Improve the effect of ideological and political education

When conducting ideological and political education propaganda on the WeChat public platform, higher vocational colleges must innovate the propaganda section that interacts with students to increase the timeliness of ideological education. Nowadays, in the era of new media, the WeChat public platform of colleges and universities should integrate the characteristics of the times when conducting ideological and political education and publicity, and fully integrate user services with students' ideological and political education, so as to attract students with articles, educate students with articles, and actively promote The main theme of today's social thought. The WeChat public platform created by universities can also open up article comment and reply functions, interact more with students, actively exchange ideas, and provide personalized and humanized services.

4. CONCLUSION

To sum up, the ideological and political education work of higher vocational colleges needs to be continued for a long time. In the era of new media, higher vocational colleges will face many challenges when using the WeChat public platform to conduct ideological and political education

and publicity. Innovative content and form of ideological and political education can attract students to identify with ideological and political education, so that the importance of ideological and political education can be highlighted.

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Application Analysis of Deep Foundation Pit Support Construction Technology in Construction Engineering

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Abstract: With the continuous development of social economy and science and technology, the development of my country's construction engineering industry has been greatly improved. The scale and quantity of the construction engineering industry are constantly expanding. At the same time, the construction quality issues have become the focus of attention. Pit support construction is the key content and has a direct impact on the overall quality of the project. Therefore, in order to ensure the quality and safety of construction projects, it is necessary to strengthen the use of deep foundation support construction technology. Analysis and research on the application of foundation pit support construction technology in construction engineering.

Keywords: Deep Foundation Pit Support; Construction Technology; Construction Engineering; Analysis And Research

1. THE CHARACTERISTICS OF DEEP FOUNDATION PIT SUPPORT CONSTRUCTION IN CONSTRUCTION ENGINEERING

Deep foundation pit support construction is simply a method of strengthening, retaining and protecting the surrounding environment and side walls of deep foundation pits. This method can effectively maintain the quality and safety of deep foundation pits. In the current development of our country, the common types of deep foundation pit support include soil nail wall support, steel sheet pile support, internal support and anchor rod support, deep mixing cement support, and cast-in-place pile row pile support. Through the study of deep foundation pit support technology, it is known that the deep foundation pit support structure and depth must be greater than or equal to five meters when applying deep foundation pit support technology in construction engineering. Deep foundation pit support construction involves many links and is highly comprehensive. The problems in each link will have an impact on the overall deep foundation pit support construction. With the rapid development of our country's current society, people's requirements for housing are increasing. High, the construction project is also developing from low-rise construction to high-rise construction. The higher the building, the deeper the foundation pit, and the greater the difficulty in the construction of deep foundation pit support. Faced with this situation, in order to ensure the construction of deep foundation pit support To ensure safety and quality, safety precautions must be taken.

2. THE ROLE OF DEEP FOUNDATION PIT SUPPORT

CONSTRUCTION TECHNOLOGY IN CONSTRUCTION ENGINEERING

The construction of foundation pits is an important part of the construction of construction projects, and it is also an important measure to ensure the quality of construction projects. The construction of deep foundation pits is difficult to support. Application in construction projects can effectively improve the quality of construction projects. Through research, it is found that the application of deep foundation pit support construction in construction projects has the following characteristics: First, the engineering exploration is strengthened. There are certain requirements for the depth of the foundation pit during the construction of deep foundation pit support, and it must be reasonable. To carry out deep foundation pit support construction, it is necessary to explore the geological and hydrological conditions of the foundation pit in advance. Only a careful understanding of the inside and surrounding of the foundation pit can reduce the collapse and settlement accidents in the construction of deep foundation pit support. Second, the rationality of the plan is improved. There are many types of deep foundation pit support technology used in our country. In order to ensure that the construction project can reasonably select the type of deep foundation pit support technology, the plan needs to be based on the actual construction site. The choice not only requires strict detailed design of each link, but also requires strict control of material parameters to ensure the rationality of the deep foundation pit support construction plan. Third, the use of deep foundation pit support should be carried out reasonably, and dewatering measures and monitoring systems should be established. Dewatering during the construction of deep foundation pit support has a greater impact on the construction. In severe cases, it will lead to the occurrence of collapse events. Therefore, to ensure the safety of deep foundation pit support construction, it is necessary to take good dewatering measures. Support deformation is also an easy problem in the construction of deep foundation pit support. In order to avoid this situation, it is necessary to establish a monitoring system to observe the deformation of the support, and to control the deformation of the support reasonably. Ensure the stability of the supporting structure [1].

3. APPLICATION OF DEEP FOUNDATION PIT SUPPORT CONSTRUCTION TECHNOLOGY IN CONSTRUCTION ENGINEERING

3.1 Soil nailing support construction

The construction of soil nailing support needs to fully

consider the geological characteristics. The construction method is mainly to enhance the stability of the geology by strengthening the high slope. In the construction of soil nail support, the tensile deformation strength of the soil nail support should be required according to the design situation of the construction. The actual bearing capacity should be guaranteed first during the construction, so that the soil nail support needs to be carried out first. After the soil nailing support is completed, grouting is carried out. The amount of grouting should be strictly controlled during grouting. Secondly, each material should be reasonably distributed when the slurry is prepared, and the use of additives should be strictly controlled. In the construction process, in order to ensure the rationality of the construction, the construction can be tested, and the test can only be carried out under the supervision of a third party.

3.2 Construction of soil anchors

There are many precautions during the construction of anchor rod support for soil layers. The position of the anchor rod must be marked in strict accordance with the design requirements of the construction. The quality of the anchor rod must be checked before the formal construction. Drill holes are required, and the depth of the hole should be determined according to the construction requirements. The grouting operation should be carried out in time after the drilling is completed. To ensure the effectiveness of the grouting, not only the ratio of the mud must be strictly proportioned, but also the cleanness of the mud must be ensured. The grouting work must be carried out from bottom to top, and should be stopped when the mud overflows. Grouting. If there is a problem during the construction of the soil anchor, the problem should be found and solved in time. In order to ensure the smooth progress of the entire soil anchor construction, the supervision of the construction personnel should be strengthened. Simply put, the bolt construction technology is to prevent deformation of the support by strengthening the rock [2].

3.3 Underground diaphragm wall support

The construction technology of underground continuous wall support is widely used in construction engineering because of its low construction noise and high rigidity. This technology is also a key structure in the construction of deep foundation pit support. The support of underground continuous wall is generally used in the foundation pit. It is used at a depth of more than ten meters. This construction method is safe and economical. The retaining wall should be built first when the underground continuous wall support construction is carried out. The retaining wall is made of a mixture of concrete materials and soil nail group materials. The use of these two materials can effectively guarantee the quality of the building itself. This technology will use professional trenching equipment when digging trenches. During this process, the mud will be formed by concrete pouring under the action of the foundation pit wall to form

reinforced concrete. The concrete wall has greater durability.

3.4 Construction of slope protection piles

The slope protection pile construction technology is used in the construction of many projects. The use of slope protection pile construction can save the construction period. The use of slope protection pile construction technology is generally used in complex construction geological conditions. This method should generally be drilled by auger. The corresponding position is grouting. The grouting should be poured upwards from the bottom of the hole, and it needs to be poured to a position equal to the groundwater level. After the filling is completed, the auger should be lifted and the steel cage should be placed in the designated position for high-pressure grouting.

3.5 Construction technology of mixing pile support

In the construction project, the mixing pile support construction can effectively strengthen the soft soil foundation. This method requires the use of curing agents such as lime and cement. After the curing agent and the soft soil are mixed, they are stirred to make it chemically In response, when the mixing is sufficient, an integral pile retaining wall will be formed, and this pile will play a role in strengthening the soft soil foundation. There is no need to pump the groundwater when using the mixing pile support construction technology, because the technology has a better anti-seepage effect [3].

4. CONCLUSION

In summary, deep foundation pit support construction is a basic project in construction engineering, which has a direct impact on the quality of the building. In order to ensure that the deep foundation pit support construction can be carried out reasonably, it needs to be based on the actual construction site before the formal construction. According to the situation, the deep foundation pit support construction plan is designed and determined. Due to the many links in the construction of deep foundation pits, in order to ensure the construction quality, it is necessary to monitor the work throughout the entire construction process, so as to ensure the deep foundation pit. The role of support construction technology has been brought into full play.

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Flipped Classroom Teaching Design for Japanese Majors in Colleges Based on Boppps Model

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Abstract: The BOPPPS model can provide teachers with an effective design framework for teaching design. In recent years, it has become a teaching model recommended by many universities in North America. The article briefly described the BOPPPS model and its current research status in foreign language teaching, and discussed the necessity of introducing the BOPPPS model into the Japanese professional flipped classroom. Meanwhile, combined with the characteristics of Japanese majors, The article did the the teaching design of the Japanese flipped classroom based on the BOPPPS model. **Key Words:** Boppps Model; Flipped Classroom; Japanese Majors; Teaching Design.

1. INTRODUCTION

The development of educational informatization has made the flipped classroom teaching mode widely used in the teaching of Japanese intensive reading in colleges and universities, and achieved good teaching results in the development of Japanese teaching practice. However, in the specific implementation, problems such as insufficient teaching design, inability to effectively carry out pre-class activities, and students' classroom learning effects did not meet expectations. The BOPPPS model can provide teachers with an effective design framework for teaching design. In order to improve the teaching effect of the flipped classroom, the flipped classroom teaching model based on the BOPPPS model is a meaningful attempt.

2. BOPPPS TEACHING MODEL AND ITS DEVELOPMENT TREND IN FOREIGN LANGUAGE TEACHING

2.1 BOPPPS teaching model

The BOPPPS model originated from the skills system created by Douglas Kerr of Vancouver University in 1976, with Canadian teachers as training objects. It is a teaching goal-oriented and student-centered teaching model that provides teachers with an effective design framework for teaching design. In recent years, it has become a teaching model respected by many universities in North America. The BOPPPS model divides the entire teaching process into 6 stages: bridge in, learning objective, pre-test, participatory learning, post-assessment, summary. The specific content is as follows:

bridge in: Import content related to classroom learning to improve students' learning enthusiasm.

learning objective: Determine the teaching goal and let students know what they can do after they finish learning.

Pre-test: Design pre-test content according to teaching objectives, and implement pre-test through questions, exams or homework.

Participatory learning: Carry out "collaborative, inquiry-based, and problem-based" learning around the concept of "student-centered".

post-assessment: to understand the effectiveness of students' learning and whether they have reached the teaching goals through questions, tests, etc.

summary: A brief summary of what you have learned to help you learn the main points.

The coherence of the above six modules constitutes an effective and complete classroom process. The basic framework provided by the BOPPPS model can help teachers re-examine the distribution of teaching content, reasonably grasp teaching links, and design more meaningful participatory teaching activities. The realization of the teaching goal is the core of the whole teaching process. Therefore, in order to better promote the achievement of the teaching goal, the teacher design must have strong pertinence and operability, and the teaching process should be designed around the student-centered teaching concept. Through the "student-centered" teaching concept, "collaborative, inquiry-based, and problem-based" learning is carried out in the classroom, interacting with students in depth, grasping the learning status of students, and adjusting and improving teaching in a timely manner based on students' feedback. Achieve the established teaching goals.

2.2 Research status of BOPPPS teaching model in foreign language teaching

As of the end of October 2021, the two keywords "BOPPPS" and "English" have been entered on HowNet, and 84 papers have appeared. There were 1 in 2014, 0 in 2015, and 1 in 2016. There were almost no related papers. It has gradually increased since 2017, with 4 articles in 2017, 8 articles in 2018, 17 articles in 2019, 24 articles in 2020, and 29 articles in 2020. That is to say, the number of studies in the past three years has suddenly increased. It can be seen that the BOPPPS teaching model has been continuously applied and promoted in English teaching. In addition, there are many theoretical studies and practical explorations that combine the "BOPPPS model + English flipped classroom" on HowNet. Good teaching results have been achieved in terms of effectively grasping teaching links and improving classroom efficiency. For example: Shen Lei (2017) "The Application of BOPPPS Teaching Model in College English Flipped Classroom", Wang Yan (2019) "The Application of BOPPPS Teaching

Model in College English "Flipped Classroom" Teaching Mode", etc.

However, inputting the two keywords "BOPPPS" and "Japanese" shows that there is no data yet. That is to say, teaching attempts based on the "BOPPPS" model have not yet appeared in the teaching of Japanese majors.

3. THE NECESSITY OF INTRODUCING BOPPPS MODEL INTO JAPANESE PROFESSIONAL FLIPPED CLASSROOM

3.1 There are still some problems in the flipped classroom in Japanese teaching in colleges and universities

Flipped classroom refers to re-adjusting the time inside and outside the classroom. Students watch the teacher's video explanation before class or outside class, and learn independently. Teachers no longer occupy classroom time to teach knowledge, and the classroom becomes between teacher and student and between student and student. Interactive venues, including answering questions, cooperating inquiries, and other strategies to complete the internalization of knowledge, thereby improving students' knowledge application ability and achieving better educational effects. Flipped classroom breaks the traditional teaching model that is mainly taught by teachers and passively accepted by students, and develops a student-centered classroom teaching model.

Since 2013, research and exploration of flipped classrooms have appeared in the Japanese teaching of higher education in my country. Japanese majors in domestic colleges and universities have carried out flipped classroom teaching practices in courses such as "Basic Japanese", "Japanese Reading", and "Japanese Audiovisual Listening and Speaking". Good teaching results have been achieved in improving students' classroom participation, Japanese oral expression and thinking ability, and self-learning ability. But in actual teaching, many teachers have some confusion in the implementation of flipped classroom teaching. For example, how to effectively carry out pre-class activities, what content should be discussed in the classroom, how to further increase student participation, how to better enable students to consolidate the knowledge they have learned, and how to make the various stages of instructional design natural connection and other issues. In summary, flipped classroom is still in the exploratory stage in the research of Japanese teaching in our country, and further theoretical research and practical exploration are needed.

3.2 The BOPPPS model is an effective supplement to the flipped classroom

Cao Danping (2016) pointed out that the teaching model based on the BOPPPS teaching model focuses on the achievement of the teaching goal and decomposes the teaching process into six cohesive modules. Each module serves for how the goal is achieved, the complete teaching process Fully consider the characteristics of teacher teaching and student learning, emphasizing the core stage of teacher-student interactive learning, so it has strong adaptability and operability for all teaching subjects. Zhang Suojuan (2017) pointed out that the core of the BOPPPS model is student-centered, paying attention to the development needs of students, emphasizing students' full participation in learning, and timely obtaining feedback information. This is in line with the concept of flipped classrooms with students as the main body of the classroom. Unanimous. Wang Yan (2019) believes that the various elements of the BOPPPS operating model are interrelated, echo back and forth, and have strong operability, which perfectly fits the essence and essence of "flipped classroom" teaching. The above research shows that it is feasible to develop flipped classroom teaching based on the BOPPPS model in Japanese majors.

The advantage of BOPPPS teaching mode is that it allows teachers to formulate teaching plans scientifically and rationally, and can effectively control all aspects of classroom teaching to improve classroom efficiency. Therefore, the BOPPPS teaching model can allow teachers to effectively control the flipped classroom by optimizing teaching links and help teachers solve the problems in flipped classroom teaching. In summary, it is necessary to organically combine the BOPPPS model with the flipped classroom to improve the teaching effect of the flipped classroom.

4. JAPANESE FLIPPED CLASSROOM TEACHING DESIGN BASED ON BOPPPS MODEL

Introducing the BOPPPS model into Japanese flipped classroom teaching, teachers should design teaching around the teaching goals, create an effective student-centered classroom teaching environment, give full play to the subjectivity of students, and focus on cultivating students' language ability, speculative ability and autonomy Learning ability. In terms of teaching methods, emphasis is placed on the use of heuristic, discussion and participatory teaching methods to promote the overall development and personality development of students.

According to the characteristics of Japanese professional courses, the six stages of the BOPPPS model have been flexibly adjusted. The specific teaching process is as follows (Table 1):

Table 1 Flipped classroom teaching process for Japanese majors under the BOPPPS model

Pre-class		Mid-class						After-class	
O	P	B	O	P	P	P	S	P	
Learning Objective	Pre-test	Bridge in	Learning objective	Pre-test	Participatory learning	Post-assessment	Summary	Post-assessment	
Determine the teaching goal	Complete the pre-test through homework, testing and other forms.	Set up interesting content to improve students' learning enthusiasm.	Explain the teaching goals to students.	Complete the pre-test through questions, dictation, etc.	Carry out "collaborative, inquiry-based, and problem-based" learning around the student-centered concept.	Test students' mastery of teaching objectives through tests, homework and other forms.	A brief summary of what students have learned.	Through teacher-student mutual evaluation, quizzes, test the students' learning effects.	

The whole teaching process is divided into three stages: before class, during class and after class. There are two links in the pre-class stage: 1. The teaching goal link. Determine the teaching goals and let students know what they can do after completing their studies. 2. The pre-test link. Publish learning tasks in advance and set homework related to teaching goals. For example, vocabulary tests, sentence formation based on grammar, and thinking questions are set to allow students to answer, and teachers can grasp the completion of students through the network platform. There are six stages in the course: 1. According to the learning content, design a meaningful classroom introduction. According to the learning content, select relevant pictures, short videos and other content that students are interested in as import, so as to prepare students for better participation in the classroom. 2. The teaching goal link. Inform students of their teaching goals and prepare for participatory learning. 3. The pre-test link. It is carried out through questioning or dictation. Since the pre-test is carried out in the pre-class stage, the time required for the pre-test part in the classroom is appropriately reduced. According to the students' knowledge, the pre-test stage in the classroom is even omitted. 4. Participatory learning links. Participatory learning is carried out around the concept of "student-centered". The participatory learning stage is the essence of the BOPPPS teaching model. The success or failure of a lesson depends to a large extent on the implementation of this stage. There are many ways of participatory learning, it can be group discussion, it can be role playing, it can also be for students to demonstrate, operate, and so on. For example, in the teaching of honorific language in Lesson 11 of Book 2 of "Basic Japanese", students are asked to discuss the differences in honorific language between China and Japan, and publish them in groups, and teachers make comments and summaries. Set up scenes such as barber shop, shopping mall, hotel accommodation, etc., let students discuss the honorifics that should be used in groups, complete the conversation, and finally publish. 5. Post-test link. Through classroom questions and answers, practice questions, etc., test students' learning effects. 6. Summary link. Summarize the knowledge learned in this class. After class, the internalization of knowledge is further realized through teacher-student evaluation and quizzes.

Teachers, whether in the classroom or outside the classroom, should carefully grasp each link and carry out teaching activities closely around the teaching goals. Before class, master students' completion status through big data, question and answer, tests, etc., and appropriately adjust the content of teaching based on the results of the

pre-test; Discussion-based learning completes the internalization of knowledge and improves students' language ability, cross-cultural ability and thinking ability; after class, record and reflect on students' participation in the classroom, optimize the next classroom design, and improve the effect of Japanese professional flipped classroom teaching.

5.CONCLUSION

The BOPPPS model allows teachers to formulate teaching plans scientifically and rationally, and effectively controls all stages of classroom teaching to improve classroom efficiency. The introduction of the BOPPPS model into the flipped classroom can effectively compensate for the inability of the flipped classroom to effectively carry out pre-class activities and the lack of natural connection between the classroom stages, and improve the teaching effect of the flipped classroom. In this paper, combined with the characteristics of Japanese professional courses, the teaching design of the Japanese flipped classroom based on the BOPPPS model is carried out. In the future, we will carry out relevant teaching practice based on this teaching design to test the teaching effect, in order to provide reference for peers.

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Practice And Improvement Countermeasures of Archives Information Construction in Higher Vocational Colleges

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Abstract: With the rapid development of networking, the archives work in higher vocational colleges also presents the development trend of digitization and networking. Higher vocational colleges are the base for training skilled talents for the country, and file management is very important. The traditional concept of archives management can no longer meet the current development needs. It is necessary to increase information means on the basis of information management, fully show the importance of archives work, broaden audience channels, improve the utilization of archives information, and lay a good foundation for future sustainable development.

Key Words: Higher Vocational Colleges; Archival Work; Information Construction

1. INTRODUCTION

As the cradle of cultivating all kinds of talents in society, higher vocational colleges are in full swing. Archives are a series of activities that students need to meet from the day of enrollment, teaching, scientific research, management and so on [1]. The construction of archives informatization is an important part of the digital construction of university campus. With the help of the main force of informatization, we need to integrate resources, use information digital storage, and increase service construction and guarantee. The collection and arrangement of archives itself is a very cumbersome thing, and there may be some difficulties in information processing. In the past, the paper version of archives needed to be sorted out by a specially assigned person because of each process, which not only consumed a lot of time and energy, but the preservation time was not long.

2. PRACTICE PATH OF INFORMATIZATION CONSTRUCTION OF ARCHIVES WORK IN HIGHER VOCATIONAL COLLEGES

2.1 change ideas and ensure system renewal

Higher vocational college archives managers also need to combine the current situation, implement the transformation from the direction of archives "labor-intensive" management, improve the "sensitivity" to digitization, and improve the efficiency of archives management in higher vocational colleges. Archives management is of great significance to the construction of campus culture in higher vocational colleges. Every archivist needs to assume his own responsibilities and obligations, pay attention to the renewal of the network, constantly learn and comply with the development needs of the times. The main contents of archives related guidelines, policies, standards and regulations need active

participation. Only by reasonably improving the awareness of archives management and maintaining the construction of management capacity, can we lay a good foundation for the current development [2]. Archives work also needs to expand publicity and increase the initiative of teachers and students in accordance with certain laws and regulations. Through the network, new classification is carried out according to different classification conditions to ensure the security of documents and improve the utilization rate of archives.

2.2 improve the system and enhance the investment of human and financial resources

At this time, it is necessary for higher vocational colleges to maintain the construction needs of standardization on the basis of legal documents such as the specification for electronic document archiving and management. Self sufficiency, according to the actual situation of the school, clarify the occupation and post of archives management personnel, enhance the utilization rate of archives and increase the system construction. In addition, it is also necessary to maintain the rational use of archives collection, sorting, archiving, management, utilization and other links in the specification, increase the safety construction, and provide good basic conditions for future development [3]. Information technology has injected fresh "blood" into different fields, and the construction of archival work is no exception. It is also necessary to improve the basic framework and maintain the characteristics of high openness and diversity on the basis of information. Strengthen the security of archives information management in higher vocational colleges, constantly improve the system of archives management and supervision, and clarify the information access system. In addition, relevant personnel are also required to adhere to the main idea of the scientific outlook on development, increase investment in information technology, build an information management platform, form a complete archives system and ensure the integrity of information archives. After that, the vocational colleges can also establish a special archive website or WeChat official account according to the actual situation, and find the information they need according to the classification. Personal information can not be disclosed to the public. Only when I enter with my own file port can I query it. The school's archives management also needs to set different ports according to different personnel and present them in the form of short films, so that we can more intuitively understand these contents, pay more attention to archives security management and meet the

needs of practical development.

2.3 improve safety awareness and ensure that data are not lost

For higher vocational students, archives itself is a work with high confidentiality, which needs to increase the degree of security construction. In the process of informatization development, we can intuitively see that there are not only the invasion of various hackers and viruses, but also the problems caused by the staff's own operation errors. The emergence of these problems has brought certain difficulties to the archives informatization management. At this time, higher vocational colleges also need to combine the current development needs, strengthen safety awareness, organize file managers to constantly learn new knowledge, master various ways of file safety management, and implement comprehensive safety knowledge. Secondly, it is necessary to strengthen the inspection of the quality of archives construction, which is limited to the input, inspection and evaluation of archives content based on the network. It is not only necessary to reduce the omission of collection and storage, but also to urge all units to standardize the archives construction. Promote the mastery of all part-time file managers through various short-term training courses in different ranges and levels. From the "static" paper information to the "dynamic" digital direction, forming a structured archive resource database [4]. With the help of database technology and network technology as the main information technology, deeply excavate the content and value. Establish the two-level management mode of the school and department, input and maintain the key system by classification, and ensure the security to the greatest extent.

2.4 promote the construction of archives database

In the process of informatization development, higher vocational colleges also need to integrate the foundation, improve the management ability of archives informatization, and establish their own archives management database. On the one hand, it is to increase the audience area of archives informatization management, on the other hand, it is to increase the transformation of Archives Informatization management and extend and develop from paper to electronic. In addition, higher vocational colleges also need to clarify their own development path, strengthen vocational education and extend towards sustainable development according to the development needs of the national vocational education reform implementation plan. In the course of exploration, higher vocational colleges have established archives

database and defined the relevant content construction of "credit bank". Vocational educators can establish their own personal learning account for vocational education according to their actual needs. It can not only transform the personal learning achievements of higher vocational students, but also trace, query and convert these learning achievements in the archives database. In other words, on the basis of the national strategy, we can clarify the significance of archives management and point out the direction for future development. With the help of information technology such as "all data mode" and cloud computing, we keep pace with the times, find our own development path, establish crisis awareness and constantly improve the level of archives information management.

3. CONCLUSION

With the progress of society, archives information construction is a basic work of archives departments. Based on archives network, expanding the development and utilization of archives information resources can improve the comprehensive level of archives management. With the rapid development of information technology innovation, employees also need to continuously enhance their comprehensive literacy, increase system construction, standardize the process of information management, and constantly improve and innovate to promote the sustainable, rapid and healthy development of archives management.

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