Online System Construction of Music General Education in Higher Vocational Colleges Based on Internet-Assisted Spectrum Signal Transmission

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Abstract:In this paper, a synchronizing method, which is fully realized by software, is proposed in the transmission of digital signal transcoding, and a detailed theoretical description of music is presented, and the steps and methods of it to achieve synchronization are proposed. This article attempts to study the relationship between general music education and campus culture construction, and finds that general music education is the way to realize campus culture construction, and campus culture construction makes general music education more comprehensive. It suppresses the characteristic components of the interference spectrum in the process of signal transmission, extract the statistical characteristics of musical instruments, and use the joint parameter estimation method to estimate the scale and time delay of home control signals. The cultivation of music literacy, the development of music education resources, and the improvement of music teachers, etc., propose the application of teaching subject information technology Combination strategy with informatization of music education practice process.

Keywords: Online System Construction, Music General Education, Higher Vocational Colleges, Spectrum Signal Transmission

1. INTRODUCTION

With the continuous advancement of higher education reform, the cultivation of college students' comprehensive quality has attracted much attention [1]. As the main way of aesthetic education, the educational practice of general music is of great significance to the strengthening of students' musical literacy. It is necessary to constantly try and explore new ideas for educational reform.

However, due to the problems in the curriculum system, the current general music education cannot be further carried out effectively [2].

From the connotation of the aesthetic education and general music education, schools can carry out general music education under the guidance of aesthetic education [3]. Music classes are offered in China's education system from kindergarten to high school, but for various considerations, including music The status of various types of art education in China has not been paid attention to [4]. Looking at the setting and development of general education courses in Chinese and Western universities, the essence of general education is a comprehensive training of humanistic quality, thinking ability and scientific spirit, and it is a combination of morality and values. Education is the inheritance of the freedom and humanistic tradition. It has limited effect on the improvement of national artistic accomplishment [5].

Education informatization is an educational service model that adapts to the characteristics of social automation and implements the form of "professional education + general education" [6]. Informatization research mainly focuses on the understanding of value and meaning, the establishment mode of network resources, and the classroom application of information technology [7]. Since radio and television entered our country in 1958, it has been one of the important media for citizens to obtain news and information from the outside world [8].

Radio and television programs are converted from the digital code of radio and television into the spectrum encoding of digital signals that can be transmitted in satellite and optical fiber through the code conversion of the previous system [9]. It is a novel and high-speed digital signal transmission method. The bit binary signal is used as a frame frequency domain signal, and the phase and amplitude of this signal are encoded. The resolution of high-precision equipment such as electron microscopes and nuclear magnetic resonance is then greatly affected by the environmental interference magnetic field [10]. The device studied in this design is mainly for the magnetic field. The interference is tested and analyzed, so as to provide the basis for the corresponding environmental interference magnetic field suppression device or to evaluate its effect [11].

Combining with wireless communication interfaces such as WiFi, Bluetooth and ZigBee, the IoT transmission control model of smart home is constructed [12], and the wireless sensor communication design method is used to carry out online transmission of mobile Internet smart home control instructions. The system has the ability to perceive and evaluate available resources [13], reducing the spectral loss. Among them, spectrum sensing, as a key technology to realize cognitive radio, has become a research hotspot. It enables the system to have the ability to sense and evaluate available resources, and reduces the spectrum loss [14].

Among them, spectrum sensing, as a key technology for realizing cognitive radio, has become a research hotspot. The performance of optical network for ultra-high-speed and long-distance transmission mainly depends on transmission impairment [15]. Transmission damage includes the chromatic dispersion (CD) and polarization mode dispersion of the signal introduced into the optical fiber, and the noise introduced by the network components, such as optical amplifiers [16]. Give new space to general music education. The construction of campus culture, as the organic soil for the healthy development of students' physical and mental health,

gives play to the interpretation of music culture in the construction of campus culture, which can make students' perception of music more fully. From the current curriculum of music general education, it can be found that the curriculum mainly includes four parts: music theory, music practice, music appreciation and related cultural courses [17].

The music theory course mainly refers to the basic theory of music. Under the role of the employment baton, in colleges and universities, professional knowledge has become the only criterion for evaluating college students, and general education in music art has become dispensable. Especially in higher vocational colleges [18].

At the same time, most students do not have the opportunity to contact music, and they do not pay attention to the study of music lessons. In addition, the ratio of the music teachers is seriously insufficient, and most music teachers need to then improve their informatization awareness and the application of informatization methods.

2. THE PROPOSED METHODOLOGY

2.1 The Internet-Assisted Spectrum Signal Transmission

Due to the core dominant component of the main frequency characteristic signal, as well as main frequency characteristic detection method is used to conduct the automatic test of the mobile Internet smart home control signal, and analyze the correlation of each characteristic quantity, and improve the detection accuracy of the control signal.

According to the above analysis, the discrete sequence distribution model of the mobile Internet smart home control signal is constructed, and the wavelet noise reduction method is used to filter the output signal of the mobile Internet smart signal control.

2.2 The Higher Vocational Music General Education

The teacher resources of music general education are also divided into three categories, namely management teacher resources, public class teacher resources and professional class teacher resources. As the name suggests, managing teacher resources is the teacher who manages students. Most of these teachers do not teach students professionally, but are responsible for daily management and teaching management of students. The purpose of the general music education in colleges and universities is not to cultivate specialized artistic talents, but to improve students' cultural accomplishment and aesthetic taste by means of this. But this does not mean that general education classes are improvisations. In the general music education environment of higher vocational colleges, in addition to being exposed to music in general music classes, there are also music cultural atmospheres in the campus environment. In addition to the traditional professional curriculum construction, the importance of campus culture construction cannot be ignored. The construction of the general music education curriculum system under the guidance of aesthetic education can first help students integrate into the current aesthetic trend, because the times are constantly changing and developing, so the popular aesthetics in society will also change accordingly. Reasonable setting of educational goals. The education of students in ordinary vocational colleges is not a professional education for the purpose of learning music professional knowledge. Therefore, music skills and music theory knowledge are not our focus. It is necessary to take the artistic works that higher vocational students love as a breakthrough, use information technology to guide students to pay attention to cultural education at the spiritual level, broaden their artistic and cultural horizons, focus on students' inquiry-based learning and research, and use network databases, electronic journals and network interaction with the learning platform is used as a means.

2.3 The Online System Construction of General Music Education In Higher Vocational Education

The professional setting of vocational education in our country is derailed from the actual needs of the labor market, and the teaching training system does not adapt to the development of vocational education. Music can stimulate inspiration and cultivate people's imagination.

Therefore, when setting up the curriculum system, teachers should start from the perspective of students, provide students with opportunities to fully display themselves, and allow students to form the own unique aesthetics through continuous learning. and transmit humanistic knowledge. It is undeniable that the teaching objectives of many music teachers in higher vocational colleges are very vague, and the teaching content and methods cannot be reasonably adjusted according to the music foundation and characteristics of students. Teaching, the effect can be imagined. The upper computer software part is mainly used to display the processed magnetic signal in time domain and frequency domain. Qt is a multi-platform C++ graphical user interface application framework developed by Norway's TrollTech company, and is currently mainly used for development under Linux. The second is aesthetics as the main line running through the basic theoretical knowledge of music.

3. CONCLUSIONS

This article attempts to study the relationship between general music education and campus culture construction, and finds that general music education is the way to realize the campus culture construction, and campus culture construction makes general music education more comprehensive. Through the efficient learning, the ideas are proposed and validated.

4. REFERENCES

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