Research on Inheritance and Development of Guangdong Hakka Folk Songs Based on Computer Audio Technology

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Abstract. China is a superpower with 56 nationalities. Our country has diversified national cultural forms. Many ethnic minorities have a variety of language culture and national culture. Guangdong Hakka folk song is one of the characteristics of Guangdong Hakka culture. The content of Hakka folk songs covers the Hakka ancestors’ life, cultural perception and unique life attitude[1]. With the continuous progress of computer audio technology in China and the cultural exchange of folk songs in various regions is becoming more and more close, the impact of computer audio technology and foreign culture has gradually affected the inheritance and development of Hakka folk songs in Guangdong.

Keywords: Computer Audio, Hakka Folk Song, Inheritance, Development

1. Introduction

The folk songs of Guangdong are called the treasures of Guangdong. In 2006, it was listed in the national intangible cultural heritage list. According to the theory of aesthetic appreciation of folk songs, the singing style of Hakka folk songs fully reflects the beauty of all kinds of unique singing. Guangdong Hakka folk songs are widely used. It contains Hakka people's daily life, hard work and simple personality charm[2]. However, until the 21st century, the number of creative talents and singers of Hakka folk songs in Guangdong decreased sharply. Its inheritance and future development are at stake.

In fact, Guangdong Hakka folk songs are the most important part of Hakka culture. It is known by experts as a living fossil for studying Hakka culture. However, it is urgent to inherit and protect the traditional Hakka folk songs. With the rapid progress of computer audio technology, we can make use of computer audio technology to pave the way for the inheritance and development of Hakka folk songs in Guangdong. At present, the main way to inherit excellent Hakka folk songs is computer audio technology. Moreover, the technology that can help its future development can only be audio...
technology. We should strive to make people all over the world understand the Hakka culture in Guangdong. We should change the charm of Hakka culture. Helping Guangdong Hakka folk songs is called a feature of folk music.

2. On the origin of Guangdong Hakka folk songs

2.1. The origin of Hakka folk songs

Guangdong Hakka folk song is one of the famous folk songs in China. It is a famous song that people sing Impromptu in Hakka dialect when Hakka people are farming in the fields. It is a traditional Hakka folk song with Hakka culture. With the gradual development and progress of song culture, Hakka folk song has been loved by many people after people's continuous creation and modification[3]. After that, it was sung among the people. It has been passed down from generation to generation. It can be said that the materials of Hakka folk songs are very rich and colorful. It expresses the Hakka people's normal life, emotional exchange and simple folk customs and customs. According to the theory of famous singers, the charm of Hakka folk songs is incomparable to ordinary folk songs.

2.2. On the main features of Hakka folk songs

Hakka folk song is not only a famous national song. It is also an independent folk song. Hakka folk songs truly reflect the Hakka people's inner feelings in the historical process. According to the research of experts, the style of Hakka folk songs completely inherits the style of Guofeng CI in the book of songs. As a kind of folk popular songs, it also develops with the progress of song times. Each stage of Hakka folk songs has its own unique characteristics of different times. It conveys all kinds of aspirations of people living in the times all the time. The most famous Hakka folk songs are love songs. The content of love songs in Hakka folk songs is very rich, which has a very rich literary value.

2.3. Regional distribution characteristics of Hakka folk songs

In fact, Hakkas have been found in many parts of China. Hakka folk songs are not only found in Guangdong. Meizhou in the northeast of Guangdong Province, the west of Fujian Province, the south of Jiangxi Province and the northern part of Taiwan of China are all areas where Hakkas gather. Due to the different living habits and customs of Hakka people in different areas, the contents and singing methods of Hakka folk songs in different regions are different. However, the Hakka folk songs we often refer to are the authentic Hakka folk songs of Guangdong.

3. Inheritance strategy of Guangdong Hakka folk songs based on computer audio technology

3.1. The living environment of Hakka folk songs based on computer audio technology

The Hakka folk songs in Guangdong are the intangible cultural heritage of China. It can be seen that its influence is very far-reaching. It shows the main forms of friendship and propaganda with songs. Its connotation can also be used to convey emotions. With the development of computer audio technology, Hakka folk songs are also very popular in the network. We can put it in the big environment of network song transmission. The beautification of computer audio technology can place Hakka folk songs in various music websites. The network environment of music website is a good living environment for song inheritance (see Table 1).
Table 1. The main strategies of inheritance and development of Guangdong Hakka folk songs based on computer audio technology.

| Form of inheritance and development | Key strategies                       |
|-------------------------------------|--------------------------------------|
| Good living environment             |                                      |
| The inheritance of Hakka folk songs | The continuous propaganda and protection |
| As teaching content                 |                                      |
| The fusion of songs and the times   |                                      |
| The future development of Hakka folk songs | The change of singing method of songs |
|                                     | The establishment of song resource database |

3.2. Publicity and protection of Hakka folk songs under audio technology

Audio technology can integrate the three-dimensional sound of Hakka folk songs and process various sound modes. After the audio processing of Hakka folk songs, we can use social media platform to promote folk songs[8]. We can adopt the way of theory propaganda and song propaganda to carry on the comprehensive network propaganda work of Hakka folk songs. We want to let people know the existence of Hakka folk song and the wonderful feeling of its sound. This way is conducive to the inheritance of Hakka folk songs.

3.3. We can bring Hakka folk songs to the classroom

As an intangible cultural heritage, Hakka folk song is a folk song form worthy of further study and excavation. In order to do a good job in the inheritance of Hakka folk songs, we can take it as the learning content of students' music class. At present, most schools use audio technology to play music. Teachers can use computer audio technology to deal with Hakka folk songs properly. In the classroom teaching, the classroom can play it to the students. In addition to being the learning content of music class, Guangdong Hakka folk songs can also be used as a way to relieve the pressure of students after class (see Figure 1).
Figure 1. Hakka folk songs in Guangdong

4. The future development strategy of Guangdong Hakka folk songs based on computer audio technology

4.1. We should strengthen the integration of Guangdong Hakka folk songs and the Internet age

Computer audio technology has created a large number of network songs. It can turn some elegant song form into a kind of unrestrained song form. In terms of making and modifying music, there is no doubt that the existence of audio technology is a miracle. As we all know, music that can't integrate with the times will eventually be eliminated. For the future development of Hakka folk songs, we can use computer audio technology to change the form of its music. On the basis of songs, technical personnel can add some other music elements to turn Hakka folk songs into new and contemporary song forms. This will be an important innovative form of Hakka folk songs. This form is conducive to the development of Hakka folk songs in Guangdong.

4.2. We can use audio technology to change the singing method of folk songs

We can analyze the real reason why today's folk songs can't rise. The popularization of a song form means that people can sing and imitate songs simply. Folk songs and folk songs are more difficult. The way they sing is tricky. Even some special voice is needed to cover the song. People are not used to humming songs with hard tracks[5]. As a result, the extinction rate of this kind of song will be very fast. Guangdong Hakka folk song is such a special kind of song. In order to solve this problem, we can use audio technology to change the form and singing style of Hakka folk songs. Make it easier to sing. It makes it easier for people to remember them. This way can be used as the innovative development situation of Hakka folk song singing method.

4.3. The establishment of multimedia audio resource database of Guangdong Hakka folk songs

Many traditional Hakka people may feel distressed because they can't hear Hakka songs. Some folk song lovers who love Hakka folk songs may feel ashamed because they can't find the resources. For the future development of Guangdong Hakka folk songs, we can use multimedia audio technology to
build a traditional Hakka folk song resource library. Technical personnel can make traditional Hakka folk songs from DVD and CD into different forms of audio files through the production and arrangement of audio technology. Put these audio files in the same resource website of Hakka folk songs. This site can be used as a repository. Through the publicity of the website, we can promote the form of Hakka folk songs to other people.

5. The important value of inheritance and development of Guangdong Hakka folk songs based on computer audio technology

Guangdong Hakka folk song is an important embodiment of the wisdom of the working people and the crystallization of labor. Its contents include literature and art, sociology, history and linguistics. The Hakka folk songs in Guangdong are of great research value. At this stage, with the updating and expansion of computer audio technology, many forms of folk songs will become popular in the computer network.

Computer audio technology can add some modern music elements to Guangdong Hakka folk songs. It can make Hakka folk songs more inclined to the music form of social popular songs. In this case, it will attract people's eyes and people's singing. This form can help Hakka folk songs inherit and develop in the future[6]. The combination of modern elements produced by audio technology and traditional elements of Hakka folk songs can promote the new vitality of Hakka folk songs. This can stimulate the enthusiasm of contemporary young people's music creation. This way can greatly promote the development of Hakka music culture.

6. Conclusion

Each music form has its own unique charm. A kind of music that people want to inherit and develop must have the music characteristic elements of the times. Computer audio technology can help the traditional Guangdong Hakka folk songs to add the music elements of the times. Theoretically speaking, this way is conducive to the inheritance and development of Hakka folk songs.

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