Research on A Joint Attribute Based Neural Network Model for Multi-class Voltage Violation

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Abstract. Electronic engineering technology is a symbol of modern technology, and a large number of electronic devices have been produced. This paved the way for the development of the Internet. This article analyzes the characteristics of the application of computer electronic engineering technology, and it analyzes the measures to strengthen the application of electronic engineering technology and the measures to promote the development of electronic engineering technology. In addition, this article also studies the teaching system design of electronic engineering technology.

Keywords: Electronic Engineering Technology, Computer Technology, Application Measures

1. Introduction

Computer technology develops rapidly, it has brought earth-shaking changes to our lives, and this technology has brought huge breakthroughs to the development of all walks of life. Computer is one of the indispensable technologies in the new era. It greatly improves human life and social development. Therefore, computer technology has a positive and important role in promoting the development of society [1].

2. The characteristics of the application of computer electronic engineering technology

The introduction of electronic engineering technology has brought a huge effect to the development of the electronics industry, and its characteristics are shown in Figure 1.
3. Measures to strengthen the application of computer electronic engineering technology

3.1. The application of information transmission in computer electronic information engineering
In the Internet era, more and more users use the Internet, which makes a lot of data generated on the Internet every day. These data types are many and complex, so when a lot of data is transmitted, the server may crash. Therefore, relevant personnel must fully integrate electronic engineering technology with computer technology, which enables the server to transfer large amounts of data in a timely and rapid manner. Of course, relevant personnel must maintain information accuracy and security requirements when conducting research. The application of the combination of these two technologies has effectively carried out information transmission and information sharing for people, and it also brought great convenience to people's lives [2-3].

3.2. Equipment development and application in electronic information engineering
(1) Communication main line. Combining the application of computer technology and electronic engineering technology makes the communication between computers easier, safer and more accurate.
(2) Communication method. At present, people mainly use various software on mobile phones and computers to chat, surf the Internet, study or work, pay and collect money, etc.

3.3. The state increases support
The application of any emerging science and technology cannot do without the attention and support of the state. The development of electronic engineering technology has brought great breakthroughs in education, transportation, medical treatment, military and other fields in people's lives. The research of these technologies requires a lot of human and material support, which is inseparable from the government's support for electronic engineering technology research projects. The government must strengthen the training of electronic engineering talents. At the same time, the government should promote the enrichment of funding channels for electronic technology enterprises, and it is necessary to obtain more support and social assistance, which can promote the faster and better development of electronic computer engineering technology [4].

3.4. Strengthen the application of technology in electronic engineering
In this Internet age, people are more accustomed to using the Internet for work, study, shopping, etc. The computer electronic engineering technology is suitable for the interconnected communication network between cities, which effectively strengthens the use of the Internet. Nowadays, the number of users using the Internet has increased dramatically, which has gradually increased the demand for Internet broadband speed [5]. The optical fiber broadband transmission is characterized by good transmission quality and strong anti-interference ability, so the use of optical fiber can effectively meet the user's demand for network speed. In addition, remote network transmission can rely on optical fiber and satellite data to realize the application of this technology, which provides information technology means for early warning and monitoring of man-made disasters such as earthquakes and mudslides.

4. Measures to promote the development of computer electronic engineering technology

4.1. Regulate the market and strengthen intellectual property protection
As the saying goes: "The state has a national law, and every family has its own rules." All companies should abide by the laws and regulations of the country, and they should also have their own corporate systems and rules. Only in this way can companies develop healthily and for a long time. At the same time, only strict laws and regulations can guarantee the stability of the market. Therefore, the country and government must formulate and improve relevant systems, laws and regulations, so as to effectively protect the interests of enterprises. The government should also adopt incentive measures to encourage developers to engage in research and development, which can promote the better development of computer technology [6].

4.2. Strengthen communication and contact between enterprises
The progress of an enterprise is inseparable from its own efforts, and it is also inseparable from competition and communication among peers. Competitiveness between peers can effectively stimulate the product technology level and market development of both parties, and the exchanges between peers can promote the sustainable development of enterprises. Therefore, companies should hold industry exchange meetings on a regular basis, so that they can promote better development in their fields.

4.3. Attach importance to the cultivation of talents
Talent is the soul of enterprise development and the core of technological innovation. Therefore, the government should strengthen the training of talents by universities, and enterprises should cooperate with some local universities in a timely manner, so that universities can lead students to the company for internships when conducting practical teaching of talent training. This not only can effectively strengthen the students' professional ability, but also inject more fresh blood into the enterprise, thus strengthening the sustainable development of the enterprise. In addition, relevant personnel should create a good platform for innovative research and development for talents, and then actively encourage innovative research and development, which can provide a good foundation for the computer electronic engineering technology [7].

5. Design of the teaching system of electronic engineering technology based on computer technology

5.1. Electronic engineering teaching mode based on computer technology
Nowadays, college education has gradually developed into an informatized and intelligent teaching model. As shown in Figure 2, it is a computer-based electronic engineering teaching model [8].
5.2. Structure diagram of teaching system

The electronic engineering teaching system mainly includes various electronic engineering related course teaching, after-school exercises for each course, online question and answer and other functions. As shown in Figure 3, it is the structure of the teaching system [9].

![Diagram](image_url)

**Figure 3.** Teaching system structure

The question answering system includes an online question answering module and a question answering board module. The system structure diagram of the question answering system is shown in Figure 4.
The online Q&A subsystem mainly adopts an online teaching mode, and students can raise their questions during their learning process through the online Q&A system without being restricted by time, space, and location. Teachers can also view and answer questions raised by students at any time. The entire system makes better use of network resources to realize the sharing of educational resources and educational methods. Figure 5 shows the data flow chart of the Q&A board system [10].

```
<?php
$link=mssql_connect("sqlserver" ,$your_username,$your_password);
```


```php
$mssql_selectdb_db( "dayi", $link);
$strSQL = "select* from question"
$result = mssql_query($strSQL,$link)
while($row=mssql_fetch_array($result))
{
echo $row['username'];
    echo $row['topic'];
    echo $row['content'];
}
?>
```

Modify, delete, and add data in the database using the corresponding modified $strSQL string code as follows:

Modify database data:
$strSQL = "update question set username='username', topic='topic', content='content'"
Delete database data:
$strSQL = "delete from question where id=$id"
Add data to the database:
$strSQL = "insert into question(username,topic,content) values( 'username', 'topic','content' )"  

6. Conclusion
In this era of popularization of science and technology, people's lives are inseparable from the Internet and electronic engineering technology. The application of Internet technology and electronic engineering technology makes enterprises turn to informatization and intelligence, and this has also effectively promoted the development of the entire society. Therefore, the country must vigorously apply and develop computer electronic technology, so as to bring more progress and development to the society.

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