

## Exploration on the Teaching Reform of *Nonlinear Editing Technology* Based on the Construction of Teaching Resource Database

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**Abstract:** With the rapid development of China's economy and the continuous enhancement of the country's comprehensive strength, the development of China's education has also been greatly promoted. Under the background of extensive concern in the education industry, the construction of teaching resource bank has been constantly improved and updated, so as to better adapt to the actual needs of Education under the new curriculum reform. As a key course in the education of college students in our country, "Non-linear Editing Technology" plays a very important role in the education of students of relevant specialties. Therefore, on the basis of the continuous updating of teaching resources, we should reform the course of "Non-linear Editing Technology" and better promote "Non-linear Editing Technology". The construction and development of Shu course is very important. From this point of view, this study briefly introduces the current situation of the construction of teaching resource bank, and will focus on the problems existing in the construction of teaching resource bank, the construction of Teaching Resource Bank of "non-linear editing technology" and the teaching reform of "non-linear editing technology" course based on the construction of teaching resource bank.

### 1. Introduction

Course teaching resource database is a knowledge and information management platform based on computer as hardware platform and computer network as operating conditions. In the course teaching resource database, information technology is used to realize the integration, management, evaluation and sharing of different course information, and to effectively deal with massive course information. Under the background of constantly updating the teaching resource database, the teaching quality has been effectively improved, and students have a higher degree of knowledge mastery. In addition, the renewal and perfection of the course teaching resource base has also led to the reform of different courses. As an indispensable and important course in the learning process of related majors, non-linear editing technology is imperative under the premise of the continuous renewal and perfection of the course teaching resource base.

### 2. Analysis on the Current Situation of Teaching Resource Base Construction

#### 2.1. The State attaches great importance to the construction of teaching resources

From the current situation of the development of teaching resource bank, one of its very important development status is that the state attaches great importance to the construction of teaching resources [1]. Talents are the backbone and decisive factor of national development, and education is the most important way to cultivate outstanding talents. Therefore, in recent years, our country has paid more attention to the construction of teaching resources bank, continuously invested more funds to strengthen education construction, and formulated relevant systems to promote the construction of teaching resources bank. Progress of work. Relevant state regulations point out that modern information technology should be the main means to strengthen the management and sharing of network information resources and high-quality teaching resources, so as to improve the efficiency of the use of high-quality teaching resources. In addition, the relevant national system also clearly

encourages the development of the Internet to conform to the trend of establishing a high-quality teaching resources sharing system.

## **2.2. Major Achievements in the Construction of Teaching Resource Base**

At present, with the increasing emphasis on the construction of teaching resources in our country, the construction of teaching resources database in our country has also achieved certain results. In 2006, with higher vocational colleges as the basic pilot, China began the construction of teaching resource bank; in 2010, China began to formally implement the construction of teaching resource bank, and established the initial high-quality teaching resource bank as the basic teaching resource bank. In 2013, some secondary vocational education institutions in China began to draw on relevant experience, and began to build teaching resource bank of secondary vocational colleges. At present, hundreds of colleges and universities in China have participated in the construction of the teaching resource bank, and the central government and writing enterprises have also invested in the Teaching Resource Bank of colleges and universities, thus further promoting the progress of the construction of the Teaching Resource Bank of colleges and universities [2].

## **3. Analysis of the Problems in the Construction of Teaching Resource Bases**

### **3.1. The top-level design of teaching resource database is not in place**

At present, although some progress has been made in the construction of teaching resource bank in China, there are still some problems to be solved. One of the most important problems is that the top-level design of teaching resource bank is not in place. For the construction process of teaching resource database, top-level design is the key aspect of its overall construction. Top-level design emphasizes structured curriculum design, integrated curriculum design and granular resource utilization. However, from the current development of teaching resource bank construction in China, it is obvious that there is still a lack of in-depth understanding of top-level design in the education industry, which makes it difficult to achieve better construction of teaching resource bank. Process [3].

### **3.2. The construction of teaching resource bank is not standardized**

In the current construction of teaching resource bank, there is still a very obvious problem that the construction of teaching resource bank is not standardized [4]. From the current situation of the development of our country's teaching resource bank, the organization and construction of teaching resource bank in our country's education industry is still relatively backward, and the construction of teaching resource bank has not been carried out in an advanced way, which makes it difficult for the construction process of teaching resource bank to better meet the actual needs of the development of the times. In addition, in the process of the construction of our country's teaching resource database, the application of the concept of teaching resource database is insufficient, usually in the form of layers of subcontracting for the construction of teaching resource database, which makes the teachers at the last level have no clear management methods and systems to refer to when they carry out relevant construction. Guidance is not conducive to the implementation of teachers' related work on the construction of teaching resource bank.

### **3.3. The quality of teaching resources needs to be improved**

In addition to the above two points, there is still a problem that can not be ignored in the current construction of teaching resources bank, that is, the quality of teaching resources needs to be improved [5]. At present, the resources covered in the construction of teaching resource database in China are mainly scanned and textual pictures. The storage and use of teaching resources are relatively single and not diversified enough. In addition, teaching resources in the construction process for the production of teaching materials have great randomness, for the characteristics of resources labeling is not perfect and not clear enough, so that students in the use of these materials have some difficulties, the use of quality is not high. Therefore, the poor quality of teaching resources is also an important problem in the construction of the current teaching resources database. In order to

better promote the progress of the construction of teaching resource bank, it is very important to adopt appropriate ways to solve this problem.

#### 4. Construction of Course Teaching Resource Base of Nonlinear Editing Technology

##### 4.1. Design the Top Level of Teaching Resource Base of Nonlinear Editing Technology

The course of Non-linear Editing Technology is an important course in the learning process of related majors, so it is very important to strengthen the construction of teaching resource database of Non-linear Editing Technology. Table 1 shows the specific curriculum objectives of the course, which have a good directivity, but they are not well reflected in the actual work, resulting in the poor effect of the corresponding curriculum design. In order to better realize the construction of the teaching resource database of Non-linear Editing Technology, it is a crucial step to do a good job in the top-level design of the teaching resource database construction of Non-linear Editing Technology. This requires the education department to innovate the management system and mechanism, clarify the tasks of each department, and promote the construction of teaching resource bank. Secondly, it is necessary to clarify the functional orientation and deal with the relationship between various teaching resources in the top-level design. In addition, in the construction of teaching resources database, clear data standards and quality standards should be formulated to prevent some low-level errors [6].

Table 1 Decomposition of Course Objectives and Project Setting of Nonlinear Editing Technology

Serial number	Course objectives	Project
1	Ability to create projects according to customer needs	New Project:my dream
2	collect and manage materials on site according to project needs	
	(1) collect materials	
	(2) classify materials	Clip management
3	edit videos	
	(1) use editing tools to edit works	Video editing
	(2) design and add special effects for videos based on user needs	Video effects adding
	(3) design and add various subtitles	Title making
4	video output	Video rendering

##### 4.2 Perfecting the Management Function of the Course Platform of Nonlinear Editing Technology

In the construction of teaching resource database of Non-linear Editing Technology, it is also very important to improve the management function of the course platform of Non-linear Editing Technology. In the process of building the teaching resource database, although the shared teaching resource management mechanism has the advantages of convenience, it also has some shortcomings, such as the simple function of the teaching resource database management platform, the complex operation process of the platform, and the imperfect competition mechanism. Therefore, it is necessary to improve the intelligent navigation function of the course platform of Non-linear Editing Technology, push related courses according to different learners'learning situation, and formulate appropriate learning strategies for them. In addition, we should improve the function of self-examination, so as to promote the construction of teaching resource bank [7].

#### 5. Teaching Reform of Nonlinear Editing Technology Course Based on the Construction of Teaching Resource Base

##### 5.1. Establishing Student Pillar Learning Model

At present, the teaching reform of the course "Non-linear Editing Technology" based on the

construction of teaching resource bank has become a widespread concern of relevant professional teachers and educators, among which the first point is to establish a student-supported learning model [8]. At present, the construction of teaching resources database promotes the sharing of teaching resources among students. Students can choose teaching resources suitable for themselves according to their own needs, so as to give full play to students' autonomy and subjective initiative in the learning process, and to achieve students' right on the premise of fully respecting students' subjective status. Exploration of relevant knowledge. Therefore, the establishment of students' pillar learning mode is the key influence of the teaching reform of the course "Non-linear Editing Technology".

## 5.2. Constructing Targeted Teaching Contents

For the teaching of "Non-linear Editing Technology", different related majors have different knowledge needs for different parts, but the existence of these differences is often ignored in the construction process of teaching resource database, and every relevant knowledge point is explained in detail as much as possible, which will greatly increase. The pressure of students in the learning process will make them do some useless work. Therefore, the development of targeted teaching content for different majors can better meet the needs of students of different majors for the teaching knowledge of "Non-linear Editing Technology" and promote the development of students. Therefore, in the process of establishing the teaching resources of the course "Non-linear Editing Technology", we should enrich and improve the teaching resources database according to the differences of different majors [9].

## 6. Conclusion

The construction of teaching resource bank has become an important issue in the development of education industry in China. The teaching reform of non-linear editing technology course has been promoted by the construction of teaching resource bank. Based on this, this study briefly introduces the current situation of the construction of teaching resource bank, and focuses on the problems existing in the construction of teaching resource bank, the construction of Teaching Resource Bank of "Non-linear Editing Technology" and the teaching reform of "Non-linear Editing Technology" course based on the construction of teaching resource bank.

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