

# Exploration on Construction and Application of Informationalization Teaching Resource Base Based on Superstar Learning--Taking the Basic Accounting Course as an Example

**Hanmei Wu**

School of Business, Southwest Jiaotong University Hope College, Sichuan, China  
920770656@qq.com

**ABSTRACT.** With the development of education information, online learning has gradually become the main way of learning. The construction of teaching resource database has a direct impact on information teaching, online learning and practice. Based on the theory of “Super-star Learning”, this paper discusses the construction and application of information-based teaching resources in the course of basic accounting from the construction of information-based teaching resources and information-based teaching mechanism.

**KEYWORDS:** Superstar learning, Informatization, Teaching resources, Basic accounting

## 1. Introduction

With the wide application of cloud computing and big data, the combination of information technology and traditional teaching has become the development direction of our current teaching reform. Schools at all levels are widely establishing teaching resources, but at present, there are relatively few shared teaching resources. Therefore, it is very necessary to build an effective teaching resource base which can fit the teaching practice of the school. On the one hand, the development of personalized professional course teaching resource database can promote the development and construction of the shared teaching resource database of colleges and universities in China, and provide them with rich teaching materials. On the other hand, it can effectively achieve the teaching objectives to the maximum extent under the guidance of the professional talent training program, and achieve the precise docking of the curriculum teaching objectives and talent training objectives.

In this paper, based on the online teaching platform of “super-star learning”, we construct the course resource database, carry out online learning, create test questions and test questions database, and carry out online examination and evaluation automatically by the system and enrich the humanized online evaluation, taking the course of basic accounting as an example, this paper probes into the construction and application of information-based teaching resources.

## 2. Thoughts on the Construction of Information-Based Teaching Resources

In the construction of curriculum teaching resources, we should first design all kinds of fragmented material resources, question resources, and then extract knowledge points from the material resources for different purposes to form standardized courses. The material resources of each course can form multiple standardized courses. The standards and requirements must meet the needs of all kinds of users at the same time. In the process of specific curriculum construction, the construction of fragmented material resource base is the most critical, which determines the quality of the whole curriculum resources, and also directly affects the follow-up group work.

According to the idea of construction, we first design the curriculum as a whole, and determine the scope and content of the construction of curriculum resources. According to the specific construction content, we divide the teaching task unit according to the teaching module, and determine the knowledge goal, ability goal and quality goal of each unit. According to the learning objectives of the unit, small practical projects are formulated and specific learning task modules are formed. In each task module to extract the contained knowledge points, the extraction of knowledge points should be as fragmented as possible. A course can be divided into about 200 knowledge points. For each knowledge point, we can build a complete set of fragmented resources, which can include text, PPT, graphics and images, audio, video, animation, interactive courseware and other teaching information resources, all of which together constitute the material resource

library. After the completion of the construction of the material resource database, then we need to build the question database resources, and finally extract the content from the material resource database and the question database to form different standardized courses according to different requirements.

### 3. Teaching Mechanism Based on the Platform of “Superstar Learning”

Through the innovation and practice of “Internet + education”, superstar learning links systematically analyzes the process management of students' learning and teaching by using big data means to help students better complete the course learning and test the learning effect. The teaching mechanism of superstar learning links is shown in Fig1:

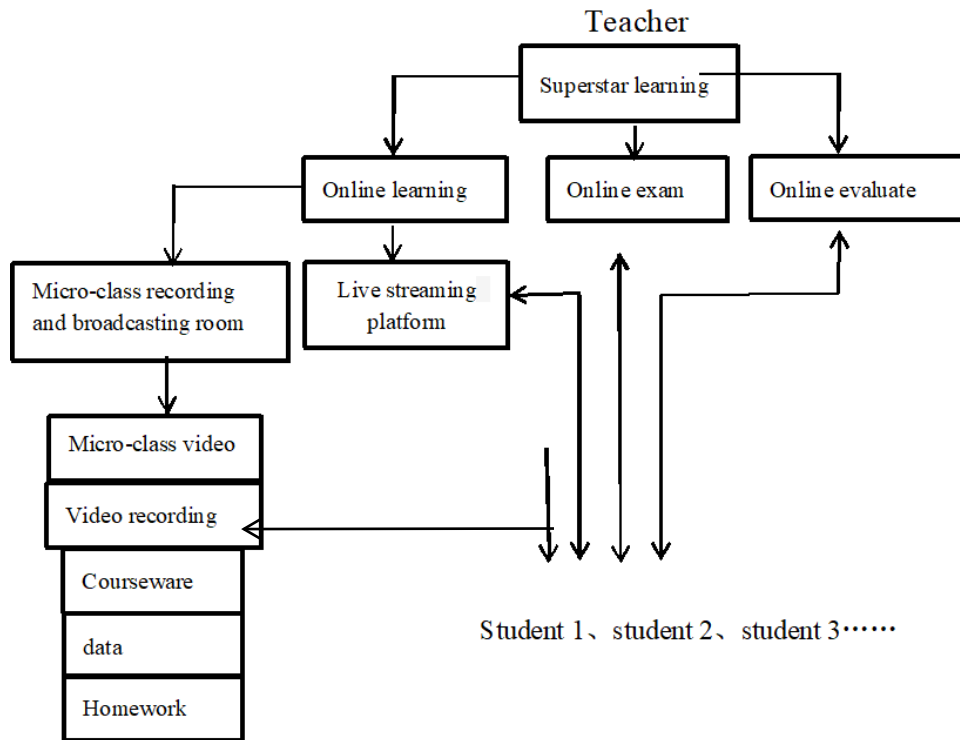


Fig.1 The Teaching Mechanism of Superstar Learning

“Super star learning” effectively improves the quality of talent training through the following three mechanisms:

#### 3.1 Online Learning

Mainly through the creation of micro class recording and broadcasting classroom, as an offline teaching resource collection place, the video course resource library generated and accumulated in daily teaching is synchronously uploaded to the cloud platform and provided to teachers and students; at the same time, through the online live broadcasting platform, the interaction of online teaching is strengthened, and the live video is collected and accumulated as a resource and provided to teachers and students for online teaching Research and learning. In addition, the supporting courseware, data and homework are uploaded synchronously for further study.

#### 3.2 Online Exam

The examination center includes examination management, examination paper management, question bank management and other functions. No matter where the students are, as long as they can use the Internet browser, they can log in to the online examination system through the Internet to take the online examination, online survey, online

registration, online practice, etc. The system can automatically grade and correct the examination results, and can give feedback to the examinees in time and quickly, at the same time, it can effectively reduce part of the workload of teachers.

### 3.3 Online Evaluation

Through simple and interesting ways to easily complete the design of the questionnaire, and with a wealth of questions, convenient for the setting of the answer logic. Through the online evaluation system, we can effectively obtain the evaluation of students' information-based curriculum resources, subjective learning experience, and how to improve teaching suggestions and evaluation.

Based on the above analysis, using the information-based teaching resources of “super star learning” platform can promote teaching and learning in improving teaching effect and quality, enhancing teaching exchange and discussion, improving teaching feedback and evaluation.

## 4. The Construction and Application of Accounting Information Teaching Resources Based on “Superstar Learning”

The subject of basic accounting is the major of economic management. As a required course, it can lay the foundation for other professional courses. It is very important to master basic accounting. According to different majors, basic accounting has different teaching resources. In order to better achieve the teaching effect and improve the teaching quality, it is necessary to establish the relevant resource base, share all teaching resources, and create a high-quality and efficient basic accounting course.

Based on the “super star learning” teaching platform, taking the accounting processing section of the main economic business in the basic accounting course as an example, information-based teaching resources are developed, and the construction content is shown in Table 1.

*Table 1 the Construction Of Information-Based Teaching Resources Based on “Superstar Learning”*

| Chapter content<br>Resource construction                   | Online learning                | Online exam   | Online evaluate                     |
|--|--------------------------------|---------------|-------------------------------------|
| 1.Overview of the main economic business of the enterprise | Video+Courseware               |               | Evaluation of teaching and learning |
| 2.Accounting of fund-raising business                      | Video+Courseware+data+Homework | Question Bank | Evaluation of teaching and learning |
| 3.Accounting of purchase and supply process                | Video+Courseware+data+Homework | Question Bank | Evaluation of teaching and learning |
| 4.Accounting of production process                         | Video+Courseware+data+Homework | Question Bank | Evaluation of teaching and learning |
| 5.Accounting of sales process                              | Video+Courseware+data+Homework | Question Bank | Evaluation of teaching and learning |
| 6.Accounting of financial results                          | Video+Courseware+data+Homework | Question Bank | Evaluation of teaching and learning |

According to the knowledge unit of “fragmentation”, the video is designed and recorded, and each video is controlled at about 10-15 minutes. The materials are for expanding knowledge points or links of relevant contents, so as to facilitate students with spare capacity to expand and consolidate their learning. At the same time, interactive exercises are designed to facilitate the understanding of the related knowledge points of video explanation. According to the key content, set up the stage test, let the students self check, at the same time make the teachers master the students' knowledge in time. In addition, in order to change the indoctrination teaching method, each knowledge point carries out the evaluation of teaching and learning, and obtains the feedback of teaching in time so as to adjust and improve the teaching. Students can ask questions and discuss problems in any link of the learning process through the comment function and instant chat function of the platform, and share their learning experience.

Based on the online learning, online examination and online evaluation mechanism of “super star learning”, the information-based teaching resource construction content is customized and designed. It attaches importance to the production of personalized learning content, discussion and exchange, feedback and evaluation, exploration and innovation, and effectively stimulates and improves students' interest in learning, To enhance the participation of students in learning, teaching evaluation feedback in time, but also an effective attempt to teaching reform.

## 5. Conclusion

Teaching resource base is the foundation and core of online courses in Colleges and universities. Based on the “super star learning” teaching platform, this paper provides convenience for teachers' teaching, effectively improves students' learning level, enhances teaching effect, and provides certain reference and reference for the construction of information-based teaching resources of related courses.

## References

- [1] Zhu Xiaojun, Qi Jianhong. Research and Exploration on the construction of teaching resource database[J].Computer knowledge and technology, Vol. 13, No. 7, pp. 105-105, 2017.
- [2] Wei Pengcheng. An analysis of the construction of teaching resource bank[J]. Science and technology innovation and application, No. 6, pp.106-106, 2017.
- [3] Zhang Ruobing. Analysis on the renewal and construction of professional teaching resource base --Taking applied electronic technology as an example [J]. Chinese Journal of multimedia and network teaching, No. 09, pp. 17-18, 2019.
- [4] Guo Qian. Research on the construction and application of teaching resource base based on campus network -- Taking the “basic accounting” course of Zhanjiang electromechanical school as an example[J]. Vocational technology, No. 12, pp. 44-47, 2019.