

## **Research on archives management of design courses in Independent Colleges under Internet plus background**

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**Abstract:** The design class is the main form of practice teaching for architectural specialty. The disadvantages of teaching management in design courses are becoming increasingly prominent under the traditional education mode. This paper discusses the teaching management of "student centered", "open sharing, innovative and continuing" design courses, taking the "Internet plus design course file management" as the basic foothold. Combined with the actual situation of independent colleges, this paper explores the current situation and development of archives management of Independent Colleges in the "Internet plus" environment.

### **1. Current situation of archives management of design courses in Independent Colleges**

#### **1.1 Insufficient Attention**

Independent colleges do not pay attention to the management of teaching archives from the school leadership level. The overall requirements of the school for archives management personnel are not high, and the supervision and management are not enough. The archivists of secondary colleges are not enthusiastic about archives management, and the requirements related to archives management are not included in their post responsibilities, and are not really linked to performance assessment and annual assessment.

#### **1.2 Weak Awareness of Archives Management**

Compared with public institutions, independent colleges have relatively weak teachers, few management post teachers, and administrative management teachers generally have multiple jobs. The teaching archives of secondary colleges are not managed by a special archivist, but mostly sorted out by the academic affairs officer of the college, lacking corresponding archival professional knowledge and skills. Moreover, the academic affairs officer has undertaken the busiest and trivial work. The marginalized teaching file management is not an important link in teaching management. The filing and sorting of teaching materials cannot add highlights to the work of the academic affairs officer, so it cannot improve his enthusiasm. He does not have a good understanding of the value of file management, and does not care about innovation and reform, Leading to insufficient innovative management concept.

#### **1.3 Low Level of Information Construction**

On the one hand, restricted by the traditional teaching archives management concept, independent colleges mainly stay in the traditional human investment in the archives management of design courses, and the investment in modern electronic information management equipment is not enough. At present, the main archives management work of Dianchi College of Yunnan University is manual work and manual work. The archives management is rough and chaotic, and there are many management loopholes. There are often cases where you need to look at the archives often, and even cases where you can't find and lack the archives.

On the other hand, the academic affairs officers of independent colleges have different majors and fields of expertise, uneven management levels, and low professional ability of archives management.

There has been a long-term phenomenon of "speaking is important, doing is secondary, busy is not". Information archives management needs to improve the professional quality of managers.

#### **1.4 Low Utilization Rate of Archives**

The teaching files of design courses include course syllabus, teaching calendar, teaching plan, course design task book, course assignment scoring table, as well as students' course assessment materials, learning achievements and other materials. These materials are real and objective records in the process of teaching movement, which can effectively feedback students' learning effect and help teachers carry out teaching reform. At present, the more standardized file management of independent colleges is the teachers' teaching materials that need to deal with the teaching inspection of all links, such as outline, weekly calendar, teaching plan and task book. The management of these materials is only collected by special personnel and consulted when necessary. Strictly speaking, the real open sharing within the teaching and Research Office has not been achieved. Students' learning achievements are only submitted and saved as homework. After they are placed in a fixed storage location, they will not be "unsealed" until they encounter evaluation and inspection.

As a core professional course with strong practicality, the learning achievements of students should not be "dusty" as simple archival materials. These archives have important research significance for the feedback of teachers' teaching level, the mastery of students' specific learning situation and teaching reform, and have important reference significance for the learning of students in the next grade. Due to the low level of archives management and the backwardness of archives management equipment, the mining, collection, and processing of archives data are hindered, resulting in low utilization rate.

### **2. The meaning of archives management in Internet plus design courses**

Practical teaching is not only an important part of the teaching system of colleges and universities, but also a key factor affecting the teaching quality of colleges and universities. It is an important way for independent colleges to achieve the goal of professional construction and cultivate applied talents "Internet plus" design course archives management relies on the Internet plus innovative thinking concept, and with the help of new technologies such as big data and Internet of things, it expands and improves the information management of teaching archives of design courses, aiming at promoting the quality of practical teaching, and has the characteristics of resource sharing and high openness. It can promote the open communication of teaching resources, teaching methods, teaching means and, and finally improve the overall level of practical teaching.

#### **2.1 Improve the Efficiency of Teaching Archives Management**

The massive archives of design courses need a lot of space and time to place and sort out, which is a challenge for independent colleges with relatively insufficient space and manpower. Combined with the emerging technologies such as "Internet plus", "big data" and "Internet of things", it is of great significance to improve the efficiency of teaching archives management by implementing digital management of teaching files for design courses. The teaching archives can be archived in time under the "Internet plus" digital management mode, and the process of extraction and utilization is more convenient and faster. The Internet plus digital management has effectively expanded the storage space of teaching archives, and has also broken the storage time restriction. It has changed the passive reception of teaching archives management into active transmission, and is no longer limited by time and space in the transmission process, to facilitate the management of management personnel and make the teaching archives archiving more efficient. To optimize the sorting of teaching archives in independent colleges. By realizing the digital management of teaching archives of independent colleges, it can effectively establish a database of teacher information such as teachers' teaching, scientific research and competitions and student information such as student homework, papers, and awards, which is conducive to timely reflect the teaching situation through digital information and improve the efficiency of teaching archives management.

## **2.2 Enrich the Preservation Means of Teaching Archives**

In the "Internet plus" environment, the independent colleges achieve the "Internet plus" digital management of teaching archives, which can make teaching archives have the nature of multimedia carriers and can enrich the contents of archives. The preservation of traditional paper teaching archives has certain limitations, which does not meet the demands of the innovative development of teaching archives management in Colleges and universities in today's era. In the era of "Internet plus", digital teaching archives can save teaching files by means of voice, text, image, chart, video and so on, and the preservation of teaching archives is diversified. In addition, in the process of teaching archives transmission, the transmission carriers are also diverse. Teachers and students only need to download relevant management app. The client can upload archives through electronic devices such as PC, tablet, and mobile phone. Rich storage means are also conducive to the efficient access and utilization of teaching archives, and promote the innovation of teaching archives management mode of independent colleges.

## **2.3 Optimize the Rational Allocation of Teaching Archives Resources**

Design courses require students to find more inspiration from life and hope that students can think more actively and have certain innovative thinking. In the actual teaching process, the following problems will appear: junior students have a deep love for the major, active thinking, pursuit of novelty and strong sense of innovation. However, due to the low level of professional knowledge, they are often unable to put their innovative ideas into place; Senior students have great learning pressure, their professional knowledge level is not hard, their innovative thinking is not enough, and plagiarism is emerging one after another.

Using Internet plus digital management in teaching archives of independent colleges is conducive to realizing automatic classification of teaching archives, and preserving the environment with high quality will effectively promote the optimal allocation of teaching archives resources. In the Internet plus environment, the management of digital teaching archives resources can reduce the risk of teaching files such as breakage and loss, reduce the cost of preservation, enhance the efficiency of archival use, and strengthen the allocation of archives resources. In the process of digital management of teaching archives of design courses, the automatic classification and archiving of students' homework replaces the traditional manual classification. The system classifies students' homework according to the homework score, and establishes the teaching resources of design courses into excellent curriculum systems such as material bank, question bank, video and courseware, so as to fully integrate the teaching resources and optimize the integration of resources, Form a "cloud homework library" in line with the academic situation of independent colleges to provide management basis for resource sharing and make relevant teaching contents more comprehensive; Through the analysis of big data, master students' learning needs, formulate targeted teaching plans, pay attention to stimulate students' learning potential and promote the improvement of students' comprehensive quality of relevant majors during course explanation. It is conducive to gradually build an open and shared professional teaching resource database, to promote the improvement of teaching means and teaching quality.

## **2.4 Innovate Management Methods and Strengthen Teaching Process Management**

For design courses, the biggest significance of "Internet plus" file management is that realize the efficient and continuous whole process monitoring and management of teaching. Design courses pay more attention to process assessment in the learning process. By "Internet plus" digital management, the design courses can be set up at the platform management end, and students will submit the stage sketches, interim results, and results according to the time node requirements, which can effectively control the students' learning process and effectively enhance the effectiveness of teaching management of the teachers. The open management platform also improves the requirements for teachers and realizes the real-time supervision of the teaching process. Digital management can retain

the process assessment materials to the greatest extent and realize the refinement of teaching management.

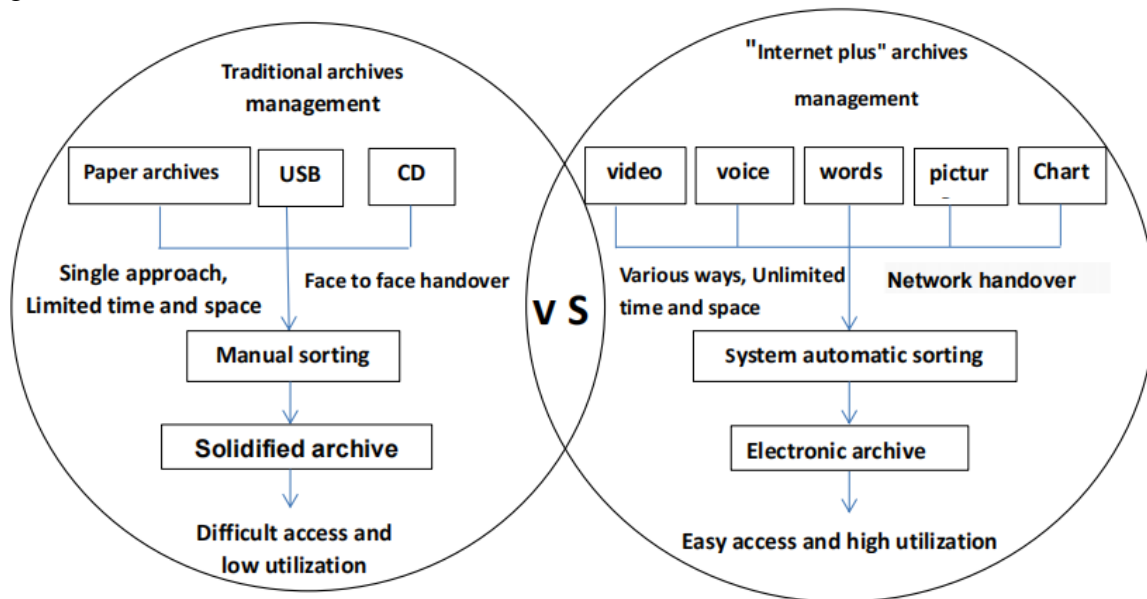


Figure 1. Comparison of Traditional Archives Management and "Internet plus" Archives Management.

### 3. Conclusion

To sum up, the "Internet +" digital management of teaching archives of design courses is an important way for independent colleges to truly focus on student development, student learning and learning effect in the future. To carry out the digital management of teaching archives of design courses in independent colleges, it is necessary to analyze and study the existing management problems on the basis of clarifying the significance of digital teaching archives management, and improve the level and quality of digital management of teaching archives by developing and introducing digital archives management equipment, optimizing archives management system and paying attention to archives management talents, Strengthen the process management of design courses and promote the improvement of talent training quality in independent colleges.

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