

# Research on Quality Improvement of Graduation Practice in Applied Undergraduate Universities

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**Keywords:** Practical teaching, graduation design, innovation training, teaching reform

**Abstract:** Talent is the foundation of innovation and the source of independent innovation. The growth of talents is at all ending. With the transformation and development of undergraduate colleges to application technology types, how to educate, how to cultivate social development and be able to adapt to employment talents for social development, more and more undergraduate education researchers have gradually realized that practical teaching is in the training of undergraduate talents. Important position. This article is mainly aimed at the problems of graduation practical teaching links, and proposed to build a multi -faceted, multi -level, and systematic graduation practical teaching system, and discuss construction ideas and reform plans.

## 1. Introduction

The transformation and development of ordinary undergraduate colleges to applied technology types has been mentioned by unprecedented heights, and it is not limited to new local undergraduate colleges. The setting of graduation practical teaching links in colleges and universities generally pays more attention to whether the proportion of practical teaching in the entire course is high enough. However, what does the lack of systematic planning and design, what do practical teaching do? How to do it? The teachers of the class are done based on their own understanding, and "what kind of person to cultivate", "how to cultivate", "how to achieve the goal of training through practical teaching", "how the effect is achieved", "how to improve" The basic and basic "source" issues are ignored, and the quality of practical teaching is difficult to guarantee.

## 2. Analysis of domestic research statusquo

When the word "practical teaching" appears, it is difficult to verify from the existing literature, but as a form of teaching, it is consistent with the development of education.

Gu Binglin proposed "adhering to the tradition of practical teaching, strengthening the training of innovation ability, and improving the comprehensive quality of students", clarified the essential connotation and function of practical teaching in the new period, and proposed the specific goals and tasks of strengthening practical teaching in the new period. Academician Sun Jiaoguang pointed out that "should pay attention to practice in mind, do not despise practice; take the lead in practice in action, not to avoid practice; to ensure practice in resources, not to weaken practice; evaluate the concept of highlighting practice, not ignoring practice."

Wang Hongcai pointed out in the article "On the Three Realms of Education": Education has three realms, including the realm of knowledge, the realm of people, and the realm of practice. Among them, education is fundamental practice.

Liu Changjiang pointed out in the article "Connotation and Extension of the Practice Teaching System" that practical teaching is subject to the purpose and requirements of education, not a social practice in the general sense. It is a teaching activity that follows the laws and principles of teaching to cultivate people's purpose. Therefore, in order to achieve specific training goals, practical teaching must be completed under the guidance of teachers. According to the actual situation, teaching facilities and conditions of the teachers, the teachers can improve a series of teaching systems of various practical teaching systems to improve a series of teaching systems in comprehensive quality. Combination of activity.

### **3. There are problems with the setting of graduation practice teaching links**

#### **3.1 In-campus instructors have limited personal ability, enterprise instructor teachers have not participating in work, and lack of integrated guidance to graduates**

The guidance ability of the instructor of the school in the school instructor depends on the teacher's own scientific research ability and professional practical ability. Only the instructor is familiar with the latest development dynamics of the industry, grasp the requirements of professional core capabilities, clear job problems and difficulties, and has a high higher ones. In order to better do the teaching and guidance of students' graduation practice link. Furthermore, corporate instructor also lacks practical guidance and flow in form. The school often lacks systematic training and management mechanisms for enterprise instructors, resulting in corporate instructors in the process of instructing students to post internships and graduation design (graduation thesis). Insufficient supervision factors, guidance lack systemic normality and other reasons[1].

#### **3.2 System hardware platform**

Graduation practice is a process of in-depth combination of students to in-depth professional knowledge with actual work and significantly sublimate their professional ability. In reality, many graduates often only regard the graduation practice as a task faced before graduation. Passive acceptance without thinking about the improvement of their overall ability and future employment or entrepreneurship All play a vital role. As a teaching activity that enhances the nature and ability of graduation, graduation practice requires students to comprehensively use the professional knowledge obtained in the semester to solve practical problems. However, high-vocational students often face difficulties in poor writing skills and poor logic. In addition, in the original curriculum system, the content of the guiding thesis writing or project design is lacking or insufficient, and the quality of graduation practice is difficult to guarantee.

#### **3.3 Teaching management lacks execution and advanced nature**

The lack of strict implementation and supervision of the management system has caused the management system to be unable to play sufficient effect, and also affects the quality of graduation practice teaching to a certain extent. In terms of topic selection, according to regulations, different students guided by a instructor should be different, the large categories are converged, and the specific topic selection is also different. However, the reality is that there are often a large number of duplicate topics with teachers in the professional, which causes the students to have the same or similar questions. Many people have the same questions, causing students to plagiarize each other or find the information from the Internet. Thesis) As a phenomenon of its own work. At the same time, the title is unclear, and the phenomenon of large and empty topics is common, and it is also the incentive of the high quality of graduation practice. In addition, the materials stipulated in many graduation practice teaching management rules and regulations, teachers and students are not assaulted before the school's mid-term inspection or graduation defense, the students are scattered, the information is not rich enough, etc. Teaching rhythm and management effect. Due to the long graduation practice teaching cycle.

### **4. Reform of graduation practice teaching link**

Improve the dynamic adjustment mechanism of talent training structure, establish a disciplinary system of closely connected the industrial chain and the service innovation chain, based on the first line of engineering and the technical needs of graduates' employment post group, optimize graduation design topics, expand the type of graduation design; form a "school school The instructor team and graduation design team of enterprise portfolio, multi-cross, compound "; build a professional and interactive teaching collaboration platform, form a professional and interactive teaching collaboration platform, form a sharing of teaching resources in the school, and carry out graduation design in cooperation and coordination. Improve[2].

Practical teaching content can also be said to be several basic types of practical teaching activities. The form of practical teaching or type of activity is diverse, and the focus is on the following practical teaching forms: experimental teaching, internship training, and graduation design.

Experimental teaching experiments are a kind of learning and research activity that people observe and explore the essence of things under the circumstances of artificial control and intervention of objective objects according to certain teaching and scientific tasks, and in the case of artificial control and intervention objective objects.

The internship training internship is a practical exercise activity to understand a certain technical or working method, that is, under the guidance of teachers and masters in the school, under the guidance of teachers and masters of the school, engage in simulation or practical work at the school or outside the school. To gain relevant knowledge and skills, develop independent work ability and professional psychological quality. Training refers to the ability or skills training of college students to master the main technologies of this major at the school and off-campus training bases, including general technical training, simulation simulation, computer simulation training, etc. Internship and training played a comprehensive test of students' professional knowledge, skills level, and teachers' teaching effects. In the process of internship and training, students through individual operations or collaborative cooperation, carefully observe and think about operations before operating before operations. , Effectively master basic theory knowledge and deepen their understanding, and realize the specific transformation of virtual teaching content in the internship training space.

Graduation design (thesis) graduation design (thesis) is a topic that meets the professional training goals and has certain theoretical or practical value under the requirements of teachers, according to the requirements of the teachers, and comprehensively use the main theories, knowledge, knowledge, knowledge, knowledge, knowledge, knowledge, knowledge, knowledge, Technology, combined with social practice, papers completed according to the results.

#### **4.1 Instructor team formation**

After the teacher's recommendation, student evaluation, the college decision, and the level, based on the principles of "one project, one group, one group" and "one group, two instructors", the establishment of a high school green match, clear professional division of labor, and strong sense of responsibility Essence The front-line instructor participating in graduation design must not only have many years of classroom teaching and guiding graduation design experience, and hire a senior designer director or general manager of an excellent school-enterprise cooperative enterprise to form a "1+1+in the school's graduation design instructor X's project group "Graduation Practice Teaching Mode.

#### **4.2 Selection of the student team layer**

Teachers customize students according to enterprises, According to the student's specialty, a reasonable division of labor, complete the comprehensive training content of the project design.

#### **4.3 Real project cross-fusion scientific topic selection**

Taking the actual design of projects outside the school as the core graduation design topic selection, the graduation design team was established. The graduation design team (enterprise) must design clear goals, clear technical routes, and clear delivery processes.

#### **4.4 Optimized design of the collaborative platform**

Enterprise selection, Shenyang's outstanding enterprises conduct school-enterprise cooperation, sharing real project resources, and allow students to start the design as the basis for graduation design.

#### **4.5 Strict guidance meeting**

All internal and external instructors of all majors who are required to participate in school -

enterprise joint graduation design must penetrate every link of each design process, and communicate with students to solve the problems that students have not yet resolved through real projects. When encountering problems such as "professional cross" and "on-site difficulties", instructor teachers inside and outside the school organize a special design problem meeting in a timely manner to clearly propose problems, solutions, professional, resolving time, results of results, and delivery. The channel is smooth to ensure that the design process is planned.

#### **4.6 Drawing flowing to the tourism**

In the process of "graduation design of school-enterprise project groups", the results of the results are huge and frequent, and students are required to establish the drawing database according to time flow, workflow, and functional flow to ensure that the drawings and data of the entire project automatically follow the part of a certain part[3]. The adjustment of drawings or data changes and changes, ensuring the consistency and effectiveness of the drawings at any time.

#### **4.7 Standardization of assessment and evaluation**

The comprehensive score of graduation design is composed of group results and personal results. Its constituent proportion is 2: 8. The main assessment of the main design goals of the group achieves the overall design goals, whether the professional coordination operations are smooth, etc. Whether the design goals have achieved, work attitude and professional level. We invite foreign university experts as members of teachers and defense teams, and focus on how to cooperate in the professional rooms and examine students' awareness of cooperation and teamwork. The entire project team conducts special assessments such as mid-term inspection and assessment, collaborative problems, drawing data circulation, and joint defense.

#### **4.8 Comprehensiveization of defense results**

Cross-professional collaborative graduation design adopts a joint defense form. The members of the defense team are composed of experts from foreign universities and senior engineering engineers. First introduce the overall results of the project leader and answer the problems arising and solved during the collaboration process. Second, the members of the project team introduced the design of the major. The main contents include the profile of the professional design, the theory, design operation software, and the design operation software, and the design operation software[4], and the design operation software. Design results and further improvement measures and experience.

For some professional cross-technical issues, members of the team are allowed to discuss and send representatives to answer. Through a joint defense, the members of the project team had fully examined the level of theoretical knowledge and engineering skills involved in the project. At the same time, they also objectively evaluated the team collaboration, collective spirit, and innovative thinking innovation.

### **5. Conclusion**

Through the three practical teaching links of graduation design, graduation internship, and corporate customization training, the final goal was achieved, and finally cultivated professional talents that meet the professional talents and quality of corporate positions in accordance with the needs of social needs. It is planned to build a "school-enterprise group" graduation practice teaching reform by integrating practical teaching resources, developing practical teaching projects, sorting out the practice of practical teaching, and controlling practical teaching processes. The team and graduation design team of the instructor and graduation design team of multi-crossing and compounding. Through the actual design process of the actual real project, the theoretical part of the school is combined with the content of the actual site, and the organization integrates it to allow students understand the implementation process of each design, the combination of production and finance, and understanding the methods used, the project team has a cooperative cooperation, so that students can understand that the design team has the advantage of the importance, accumulate

practical experience for future employment accumulation, and in the future career post after graduation How to coordinate the role you play. Explore the new model of comprehensive training for the professional collaborative graduation design training of the school -enterprise joint project team, improve the teaching effect of comprehensive graduation training, and have the value of promotion[5]. Students can benefit 100 % benefit from the majors they have learned. Essence.

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