

## Training Mode of Order Class of Electromechanical Specialty

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**Keywords:** Order Class; Mechanical and Electrical Major; Cultivation Mode; Quality of Talents; Practical Skills

**Abstract.** With the rapid development of higher vocational colleges, the training mode of mechanical and electrical students is constantly innovating. More and more colleges improve the quality of talent training through the order class. In this paper, the training mode of order-class is introduced, the research method is analyzed, and the characteristics of the training objects are described. Finally, it is pointed out that the order class training mode of mechanical and electrical specialty is a good way in the training of application-oriented talents, but the order class training mode still needs to continue to explore and improve in the system, form, system, environment and other aspects.

### Introduction to Order Class

The joint training mode of school-enterprise cooperation is carried out by higher vocational colleges according to clear talent training objectives. The school and corporate model is a way of developing different types of skills. There are many ways of school-enterprise cooperation and joint training, order class is a way of training. The order class is made up of students selected in advance by large enterprises [1]. When students are in school, enterprises usually select students from similar or general social majors to form "order class" about one year in advance, and then the college revises the teaching plan to organize teaching according to the talent training objectives and knowledge and ability structure proposed by enterprises, which effectively promotes the employment rate and employment quality of graduates. The "order" model has many advantages. This model helps to promote the optimization of education level, promote the development of vocational education level, assist enterprises to actively acquire high-level talents, and reduce human resources and training costs. In addition, the "order-type" mode also enhances the work ability and comprehensive strength of higher vocational college students, solves the employment problem, and alleviates the employment difficulty.

"Order-type" mode is also the most popular talent cultivation mode in many higher vocational colleges in China [2]. "Order form" means that the school and the enterprise can join in the training activities of students through the agreement of talent training program. The training mode of "order form" needs to define the responsibility scope of schools and enterprises in teaching. On the basis of taking into account the enterprise's needs for employees, determine the corresponding number of talents, teaching content and methods, and gradually optimize the teaching level. At the same time, enterprises will invest a certain amount of capital to promote good cooperation between schools and enterprises in teaching staff and equipment, thus cultivating practical talents for the development of enterprises. The outstanding feature of "order-type" education is on-demand cultivation. According to the agreement agreed by both parties, universities determine majors, teaching contents, practical courses and evaluation methods, and both of them participate in teaching activities [3].

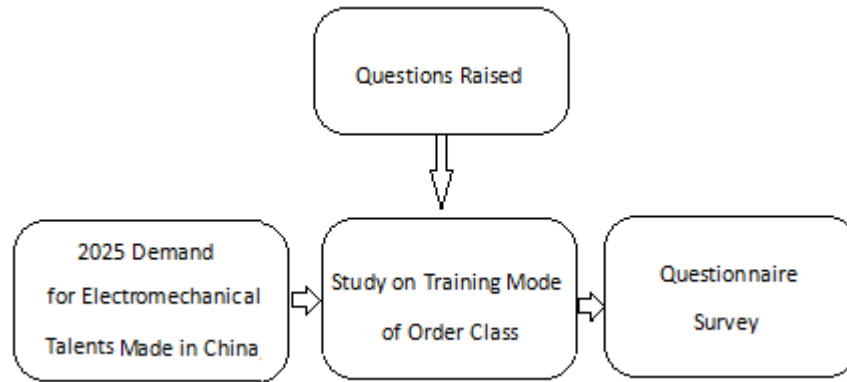
Mechanical and electrical professionals require strong practical and professional skills. School-enterprise cooperative education should run through the whole learning cycle. Spent most of the students are listening to specialized course teachers' teaching and practice in the school laboratory some drawing, measuring instrument, detection of simple operation, the whole process of learning is boring, lack of professional knowledge and accurate judgment and cognition, it is easy to think that knowledge has no actual use, causing the learning effect is poor.

### Research Method Analysis

There are many commonly used research methods, such as literature survey, observation, comparative research, statistical method, experimental method, quantitative analysis method, qualitative analysis method and so on [4]. The research methods selected in this paper mainly include investigation method and induction method.

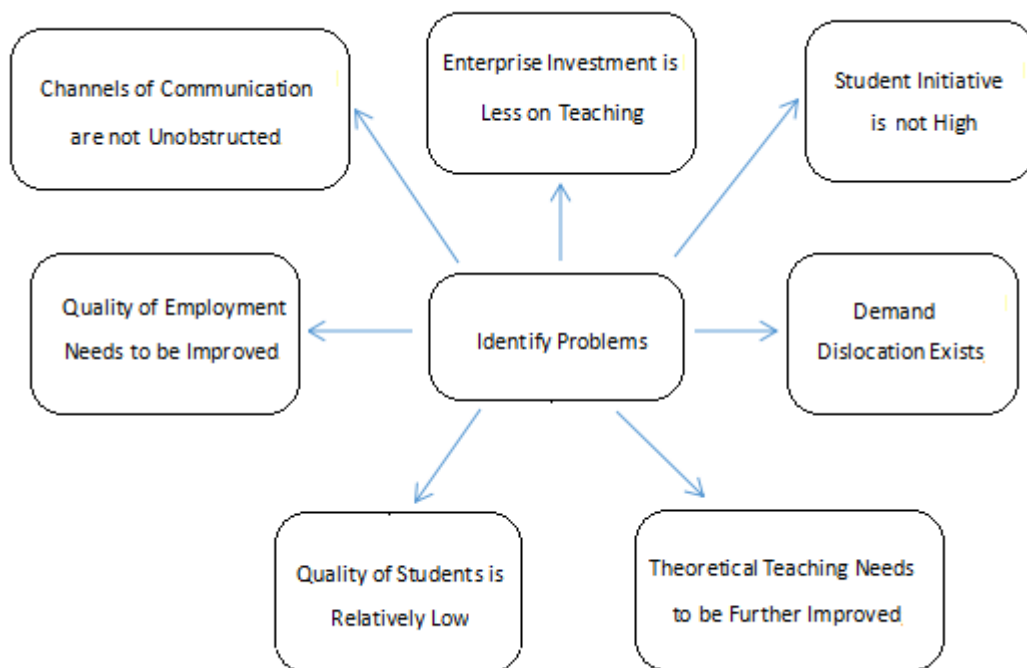
Investigation method. Through interviews, document research and other channels, I learned and collected information from the principals of school-enterprise cooperation office and admission and employment office, conducted research, and summarized appropriate solutions to problems in the implementation of school-enterprise cooperation talent training.

The research of this paper mainly includes three aspects, that is, putting forward the problem, analyzing the problem and solving the problem [5]. In the question link, according to the requirements of made in China 2025 to conduct research on electromechanical professional skills talents. The working circuit diagram of the proposed problem is shown in figure 1. The working circuit diagram of problem detection is shown in figure 2. The circuit diagram of problem analysis and solution is shown in figure 3.

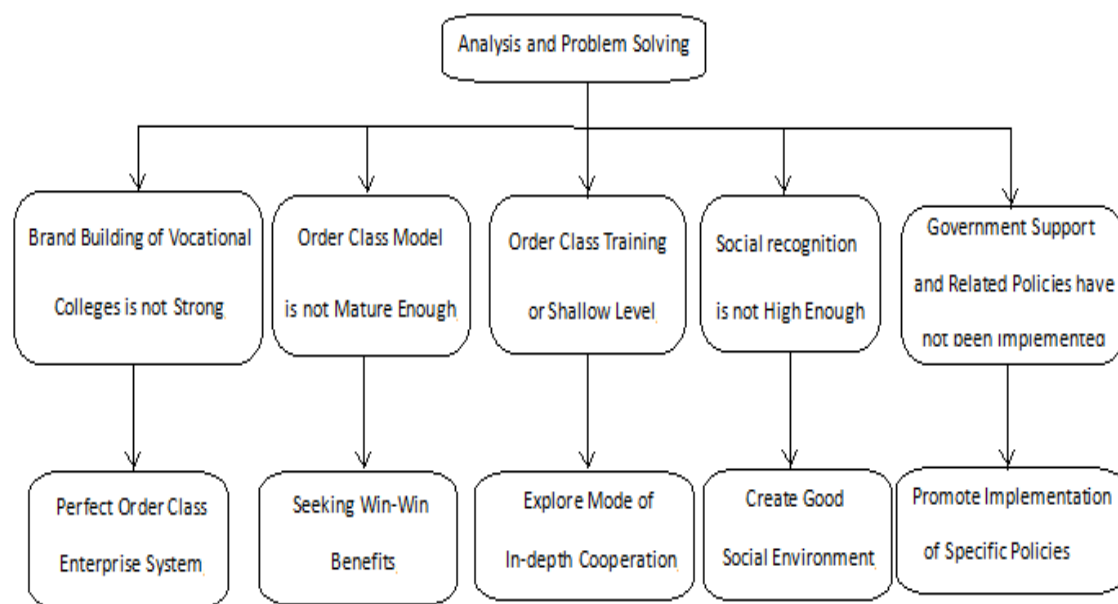


**Figure 1.** Working circuit diagram of the proposed problem

School-enterprise cooperation is an educational mechanism when higher vocational education is gradually established. School-enterprise cooperation can meet the goal of cultivating application-oriented talents together. School-enterprise cooperation is the direction of synchronous development of higher vocational education [6]. School-enterprise cooperation is the foundation for colleges and universities to enhance their social service level. School-enterprise cooperation can integrate multiple institutions of education and industry with the help of corresponding organizational forms [7]. School-enterprise cooperation can not only meet the development trend of the education industry, but also be the basic premise for colleges and universities to carry out practical training in education [8]. School-enterprise cooperation is inseparable from certain social division of labor requirements, school-enterprise cooperation can achieve a high level of division of labor. Training applied skills talents through school-enterprise cooperation can not only realize the close relationship between higher vocational colleges and enterprises, but also promote the integration of education, society and production [9]. School-enterprise cooperation is one of the channels from theory to practice.



**Figure 2.** Find problem working circuit diagram



**Figure 3.** Circuit diagram about Analysis and Problem Solving

### Analysis of cultivation objects

**Low Comprehensive Quality.** Teachers generally think that the quality of students is poor and the students' acceptance ability is low. At the same time, individual counselor responsibility is not strong. There are some problems with the teaching model. There are two reasons for the poor source of students: the lack of strength construction of vocational colleges. On the other hand, the public opinion despises the "higher vocational students", and the society does not have a high sense of identity for the "craftsmen of great powers".

**Teaching Ability of Enterprise Tutors is Weak.** The fundamental purpose of practice teaching is to improve students' ability to solve and analyze various practical problems in engineering construction through practice. The comprehensive improvement of the basic quality of mechanical and electrical professionals is realized in practice. Among them, the construction investment of training base is the most important, and the order class is one of the main forms.

**Positioning is not Accurate Enough.** The demand of school and enterprise is the basis of cooperation. Enterprises are profit-making social organizations. The development and growth of enterprises cannot be separated from the support and help of partners [10]. As partners, vocational colleges need to be screened and considered.

**Insufficient Subjective Motivation.** First of all, vocational colleges do not pay enough attention to the cultivation of skilled talents. Students are trained with skills

The recognition degree of school-enterprise cooperation can reflect the school's attention to school-enterprise cooperation and the publicity in this aspect, and it also plays an important role in guiding students' future study.

### Conclusion

The training mode of mechanical and electrical major students is constantly innovating the way of training through order class. More and more colleges improve the quality of talent training through the order class. In this paper, the training mode of order-class is introduced, the research method is analyzed, and the characteristics of the training objects are described. Finally, it is pointed out that the order class training mode of mechanical and electrical specialty is a good way in the training of application-oriented talents, but the order class training mode still needs to continue to explore and improve in the system, form, system, environment and other aspects.

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