

# Reform and Practice of Practical Teaching System in School Enterprise Cooperation

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**Abstract:** The essence of school enterprise cooperation teaching is to cultivate talents who meet the needs of enterprise development, refine the teaching tasks of school teachers, enable students to learn the knowledge and theory required by enterprise development, and further meet the needs of enterprise development. Talents can master enterprise knowledge points, and better and faster integrate into the enterprise development environment.

**Keywords:** School Enterprise Cooperation automatic, Train Objectives, School Position.

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## 1. Significance of the Project Research

Control system comprehensive training is one of the important comprehensive practice of automation professional, it is in the students to learn basic and professional courses and professional courses, especially electrical control and PLC technology, industrial control configuration software and application, motor drag control system, frequency conversion control technology, computer control technology, process control system after a involving more course content of a comprehensive practice link. It is an important step to cultivate students' ability to combine theory with practice, solve practical problems and innovation ability, and to lay a good foundation for the subsequent graduation design.

As we all know, education and teaching is a process for students to acquire indirect experience, but it is also necessary to be understood on the basis of direct experience. Therefore, increasing students' knowledge and giving full play to students' innovative ability can make students better understand what they have learned. In order to allow students to accumulate direct experience, we need to lead students to enterprises to carry out practical activities and guide students to learn to apply theoretical knowledge. Enterprise environment is a comprehensive environment, which requires students to mobilize the senses of the whole body, and flexibly apply the knowledge learned. In the process of applying knowledge, students will find problems, solve problems, and put forward their own suggestions and opinions. This process is actually a process of innovation. Because innovation activities need a good enterprise environment and the guidance of relevant personnel, so teachers should play their own role, establish close contact with relevant enterprise personnel under the background of school-enterprise cooperation, and exercise students' innovation ability in two-way cooperation.

## 2. Application Prospects

The essence of school-enterprise cooperative teaching is to cultivate talents who meet the needs of enterprise development, refine the teaching tasks of school teachers, let students learn the knowledge and theories needed for enterprise development, and further meet the needs of enterprise development. Talents can master the knowledge

points of enterprises and integrate into the development environment of enterprises. The school should connect with the work of the enterprise, deeply understand and explore the development situation and development characteristics of the enterprise, master the most basic development theory, and then enrich the knowledge system and content within the scope of the teaching syllabus, so that students can master the basic knowledge points, but also can master the theories required by the enterprise. In order to test the teaching effect of the school, the personnel of the relevant departments of the enterprise should participate in the teaching work of the school, regular teaching spot check, through the regular organization of students to participate in various types of practical activities, the teaching knowledge points for the leakage and missing filling.

## 3. Analysis of the Routine Mode of School-enterprise Cooperation

As the name suggests, school-enterprise cooperation is to give full play to the role of enterprise resources and learning resources, and through integrating school resources and enterprise resources, students can have in contact with practical knowledge in various aspects. School-enterprise cooperation is also divided into different levels and stages, which can be roughly divided into shallow cooperation mode, medium-level development mode and deep development mode. Different development modes, the degree of integration of enterprises and schools is different, and with the continuous deepening of the levels, the degree of integration is gradually deepened. Such as in the shallow level of development mode enterprises mainly play the role of cooperation, school education is still the main body, in the level of the development mode of enterprise participation increased, enterprises can not only participate in the teaching plan and teaching content process, but also develop the talent training plan, further determine what kind of talent, in the deep mode of development enterprise invested a lot of money to the school, the combination of teaching and scientific research, give play to the role of school talents, innovative enterprise development mode, the relationship between school and enterprise, provide talents for the development of the enterprise for a long time.

#### **4. Effective Combination of On-campus Practice and Off-campus Practice**

Because college teachers pay attention to the theory teaching, and some teachers practice ability is relatively insufficient, simply rely on teachers to lead students to practice, is unrealistic, walk campus practice and campus practice road is a good choice, campus practice is an effective supplement to the theory course, through campus practice, enterprises send special staff to teach the school involved in the development of knowledge and theory, let the students master the most basic theoretical knowledge, pay attention to the development of the enterprise. Off-campus practice is to let the students to the enterprise, by the professional staff assigned to the corresponding jobs, so that the students in the specific practice positions for internship, improve the quality of teaching.

#### **5. Design the On-campus Practical Training Courses Well**

Campus training course design work is also very important, not only reflected in the content of the training course design, target design and comprehensive evaluation, etc., let the students master the basic employment skills, and pay attention to cultivate the students' comprehensive accomplishment, let the students set up the correct values, let the students to establish a correct cognitive system to the outside world. The design of campus practical training courses should also pay attention to evaluation activities. Teachers should give timely feedback on students' performance, timely commend and encourage students with good performance, and guide and correct mistakes for students with poor performance. Based on this, teachers should constantly improve their professional level.

#### **6. Key Issues to Be Solved**

The addition of part-time enterprise engineers will introduce the current popular advanced technology into the practical teaching, so that students can get a better play in the theoretical and practical links. At the same time, they will also talk about the curriculum system of automation major. Through this practical course, there is a better integration.

(1) Determine the curriculum objectives according to the positioning of the school, the talent training objectives and the development of the comprehensive practical training of the control system.

(2) According to the actual needed quality, ability, knowledge requirements, to select suitable for the current teaching content.

(3) The curriculum design adopts a new design concept: the organic combination of theory and practice, and maximize the utilization rate of the laboratory, and promote the course practice teaching.

(4) Through specific projects, the introduction of engineering certification teaching concept, so that students can implement and solve the problem on the basis of the given tasks and goals.

#### **7. Summary**

This topic mainly adopts questionnaires, special seminars, expert guidance, division of labor and cooperation, bold practice, regular discussion of the group members and other research methods, both division of labor, and cooperation, give full play to the strengths and role of each member. The addition of part-time enterprise engineers will introduce the current popular advanced technology into the practical teaching, so that students can get a better play in the theoretical and practical links. At the same time, they will also talk about the professional curriculum system of automation. Through this practical course, there is a better integration. The research process is divided into three stages. The research plan is formulated according to the tasks of each stage, and the goals of each stage are completed as planned.

#### **References**

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