Research on Practice Teaching System of Micro-enterprise Training Center for Electronic Information Specialty

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Abstract. Under the reform of China's education system, the construction and education development model of "school-enterprise co-construction" is put forward to promote the construction and development of universities. Through the mutual cooperation between universities and enterprises, the improvement and innovation of universities' infrastructure and education base are promoted. This paper mainly discusses the research on the practice teaching system of micro-enterprise training center under the condition of "Schools and enterprises to build together" of electronic information major in Beihai campus of Guilin university of electronic science and technology.

Introduction

The construction of micro-enterprise training center for electronic information specialty can ensure the cultivation of sufficient theory, outstanding skills and comprehensive ability, combine practical teaching with vocational post demand, and realize the cultivation of technical talents. Students through micro enterprise training center system training, theoretical knowledge can be transformed to operation skills, students can enter professional environment in advance, to ensure necessary for the enterprise and society, schools and enterprises to establish strategic partnership of coordination, the skills required to provide enterprises with the enterprise model talent, and actively carry out technical training and service for the enterprise. In addition, Beihai campus of Guilin University of electronic science and technology combines the national Marine strategy, the development plan of "One Belt And One Road" and the regional economic development of "Zhuijiang—Xijiang", as well as the development layout of Beibu Gulf and Guangxi electronic information industry, to serve the local economy.[1] The construction of micro-enterprise training center promotes the regional economic development and serves the society.

Significance of "School-enterprise Co-construction" Micro-enterprise Training Center for Electronic Information Specialty

Micro-enterprise training center implements the teaching guiding ideology of letting students "think in practice, innovate in thinking and grow in innovation", expands the engineering education strategy of "doing middle school", forms the engineering practice education concept of "practice with brain, combination of learning and thinking, unity of knowledge and action",[2] and clarifies "consolidate theoretical knowledge through practice; Rely on practice, improve operational ability; Combining practice, strengthening innovation consciousness; In order to train more talents to meet the needs of the electronic information industry, the reform idea of "taking students as the
foundation, establishing engineering consciousness, improving engineering quality, cultivating engineering ability, and promoting the coordinated development of knowledge, quality and ability" was established.

At present, Beihai campus of Guilin university of electronic science and technology includes students at five levels: High school undergraduate enrollment, University undergraduate enrollment, Secondary vocational undergraduate enrollment, Secondary vocational junior college enrollment, High school junior college enrollment. It is urgent to build an overpass for multi-level talent cultivation. According to the different starting points at each level, different cultivation ideas and implementation methods are adopted, but ultimately the cultivation of talents with applied technical skills is carried out. School-enterprise co-construction needs to "integrate existing resources and optimize operation mechanism; Relying on the advantages of the industry, build a micro-enterprise training center; Strengthen the sense of sharing, oriented to social services; Strengthen the construction of teachers, teaching materials, and constantly improve the connotation of micro-enterprise training center.

The Idea of Micro-enterprise Training Center for Electronic Information Specialty Jointly Built by School and Enterprise

The micro-enterprise training center of electronic information specialty jointly built by school and enterprise has innovative construction ideas in the construction process. By increasing investment, and actively introduce advanced enterprise concept, to promote the new technology in the classroom teaching and application,[3] the new methods of equipment into the campus, to achieve the goal of teaching combined with practical applications, not only help students understand the most advanced technology and equipment, and actively cultivate the students to adapt to new technology, new equipment and control ability, is advantageous to the students after entering society as quickly as possible using the development of the society. Relationship diagram of multi-level talent cultivation and ability, as shown in Chart 1.

In the construction of micro-enterprise training center for electronic information major, the school adheres to the process from "artificial manufacturing" to "automatic manufacturing" and then to "intelligent manufacturing" according to the teaching requirements and the requirements of enterprise vocational training, and gradually trains students' professional skills.[4] At the same time, according to the purpose and function of the training center, the micro-enterprise training center should be scientifically and rationally divided into functional areas to promote the construction of the micro-enterprise training center and give full play to its role.
The Construction of Micro-enterprise Training Center for Electronic Information Specialty in Our University

The micro-enterprise training center for electronic information major in the university has scientific and reasonable functional partition construction according to the purpose and function of teaching, which can be divided into basic technology experimental training platform, micro-experimental training platform and micro-enterprise experimental training platform, as shown in Chart 2.

The Construction and Effect of Basic Technology Experimental Training Platform

The main function of the basic technology experimental training platform is to cultivate students' basic skills. In the process of construction, the main contents of the construction are to carry out electronic and information professional cognition, basic circuit module experiment training, professional circuit module experiment training, electronic engineering practice training, electronic
information professional software practice training and so on. Under the construction conditions of these practical training platforms, students can effectively learn and master the basic operation methods of various commonly used electronic instruments, which plays a role in paving the way for the learning of professional skills.

The Micro-experimental Training Platform

Micro-experimental training platform is an important place for students to cultivate and improve their ability. In the construction process of the micro-cell experimental training platform, the students' ability of electronic information is decomposed by the backward teaching method. According to this point, in the construction process of the micro-cell experiment and training platform, our school mainly carried out the partition arrangement of seven functional areas, namely electronic design automation micro-cell, single-chip microcomputer micro-cell, mobile Internet micro-cell, embedded system micro-cell, digital signal processing micro-cell, intelligent perception micro-cell, and modern communication technology micro-cell. The micro-scale experimental training platform is the implementation base of the characteristic specialty of electronic information engineering and the platform of students' innovation practice teaching, which is conducive to stimulating students' innovative thinking and cultivating their innovative consciousness and ability.

The Construction and Effect of Micro-enterprise Experimental Training Platform

The construction of the micro-enterprise experimental training platform is based on the concept of "school-enterprise collaboration, deep integration, workplace combat and entrepreneurship incubation", and the construction of industry-university-research cooperation base and university students' innovation and entrepreneurship base. In the micro experiment enterprises mainly pay attention to in the process of construction of practice training platform is for students to take simulation model, for simulating the actual working environment, the students in experimental training platform of micro enterprises based on the possible problems in the actual repeated drills, to cultivate students' practical problems in the face of the strain capacity, at the same time, pay attention to the training of the student's details. Therefore, the construction of micro-enterprise experimental training platform emphasizes systematization and authenticity. In micro enterprises, students can truly experience the real atmosphere of enterprise production, strengthen practical operation training, and improve students' practical operation ability, as shown in Chart 3.
Conclusion

Practice has proved that according to the micro enterprise type training center for the construction of the electronic information professional practical projects, for sure, according to the manufacturing process of electronic information industry chain is pushed to determine the content of the project, according to the work instructions operation training, according to the post assessment standards for training achievement evaluation, so that the students under the environment of complete simulation of plant production skills training, and effectively improve the electronic information professional practical teaching effect.

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