

Research and Exploration on Innovative Teaching Mode and Method of Electronic Information Students

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Abstract

Cultivating innovative talents with high quality has become an important task of higher education. In order to cultivate the innovative ability of electronic information students, this paper starts from the analysis of the shortcomings of traditional teaching modes and methods, and studies and explores how to cultivate innovative talents in several aspects of classroom teaching, practice, evaluation mechanism and teacher team construction.

Keywords

Electronic Information, Innovation Ability, Teaching Mode and Method.

1. Introduction

The electronic information industry is a new high-tech industry, which has a bright future. But the current employment situation of electronic information students is not optimistic. In addition to the number of graduates in the undergraduate level of substantial growth, difficult in the big cities, difficult in hot areas, difficult to graduate employment in the high expectations, but also from the graduates of their own ability and industry needs gap analysis. We know that the electronic information industry requires a higher talent. That is to have broad and solid electronic information engineering professional basic knowledge and basic theory, proficient in electronic technology, computer technology, network and information system engineering design and management aspects of the knowledge, the ability of research and development to have the design, development, application and integration of electronic equipment and information systems. In fact, very few undergraduate level graduates have this requirement. Therefore, in view of the existing problems, combined with the characteristics of higher education, It is necessary to study and explore innovative teaching models and methods for students of electronic information

2. The existing problems in the teaching mode and methods of Higher Learning Institutions

2.1 Classroom Teaching Is Still Taught By Teachers, Students Performance for the Passive Reception

In the background of long-term exam oriented education, teachers dominate the classroom, mostly one-way transmission of information, teachers use their own thinking instead of student's diverse thinking, and try to lead students to set their own good answers. Therefore, students' thinking activities are restrained, and students' thinking standardization becomes more and more serious, and all their inspiration and understanding are exhausted. As students have long been accustomed to passive learning, passive test, leading to independent learning, independent learning ability is poor, the perspective is narrow. So most of college students show that theory is poor, In practice, they can only imitate, not innovate, lack of competitive consciousness and adaptability. Without changing the traditional way of teaching, it is difficult to form the classroom atmosphere of innovative teaching, and cultivate students' pragmatic, truth-seeking and flexible spirit, and meet the needs of electronics industry. It is more difficult to undertake the historical task of understanding the world and transforming the world more complex, more difficult and more difficult.

2.2 Pay Enough Attention to the Practical Teaching of the Students of Electronic Information

The ultimate goal of learning is not to seek knowledge, but to apply. Graduates of electronic and information majors should be more geared to the needs of future projects. The use of knowledge is to activate the knowledge of the classroom, to improve the vitality of knowledge is to improve the use of knowledge and its own value. And practical teaching can help students understand, absorb theoretical knowledge, and apply the knowledge to solve practical problems, cultivate students' practical ability and find problems, analyze problems and solve problems of innovation ability. However, there are still many problems in the practical teaching of electronic information students.

(1) Laboratories, innovation base and other funding inadequate, the lack of appropriate incentives for teachers

Some colleges invest heavily in scientific research, But the students' laboratory, innovation base and so on are relatively few. Construction is not in place, lack of innovation conditions, less innovation activities, resulting in the proportion of students participating in academic competition is not high enough, coverage is small, students' innovative ability can't be developed and trained.

(2) The design of experiment content is unreasonable, and the evaluation of experiment result is simple

The traditional experimental teaching mainly depends on the theory teaching, and verifies the theory in the class, and they are mainly based on confirmatory experiments. The experimental results are mainly based on the experimental report, which leads to students in the experiment with a perfunctory attitude.

2.3 The Evaluation Mechanism of Students Is Not Scientific, Can't Mobilize the Enthusiasm of Students Innovation

The evaluation and reward mechanism of some colleges and universities still take the course test scores as the main body, which makes students pay too much attention to scores. Lack of motivation and assessment of students' innovative practice, students can't mobilize the initiative to participate in extra-curricular activities of innovation initiative.

3. Research and Exploration of Innovative Teaching Mode and Method

3.1 Constructing the Model of Cultivating Innovative Talents and Pursuing the Innovation of Teaching Content

The innovation teaching mode carries on the discussion between the teacher and the student, the student and the student, sets up the student's sense of master, trains the cooperation spirit and the method research and exploration. This kind of independent, cooperative and inquiry learning method not only improves the teaching quality, but also trains the students' innovative ability.

3.2 Attach Importance to Practical Teaching and Cultivate Students' Practical Ability

The improvement of students' quality and the acquirement of their ability can't be achieved only by classroom teaching and theoretical teaching, but also through the training of practical teaching. Knowledge needs to be mastered through learning, skills need to be trained through training, and the ability is formed gradually in learning knowledge and training skills. By strengthening the practice teaching, we can improve the students' quality, promote the students' innovation ability, and create the necessary conditions for the students to enter the society smoothly.

3.3 Establish an Effective Examination Mechanism

Examination is an important part in the process of personnel training, and it is a main measure to check the teaching quality, and the examination plays a role in guiding students to learn, and the evaluation should lead to the development of students' innovation ability. In order to guide students not only to master knowledge, more importantly, it has the ability to acquire knowledge and use knowledge. Improving college students to actively improve their own innovation consciousness and innovation ability, the examination can practice the examination way of knowledge and ability, theory and practice.

4. Conclusion

Achieving quality education is a long and complex system engineering, innovative education is the main aspect of quality education. Innovative teaching is the core of realizing innovative education and cultivating innovative talents. On the education of electronic information students in colleges, To cultivate students' innovative spirit and practical ability in the core position of teaching plan can help students form innovative knowledge, ability and quality structure, and can adapt to the demand of society for talents.

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