Research on Innovation and Entrepreneurship Training Mode of Computer Major Students in Universities

ZHICHAO ZHAO, TIEFENG WU and LILI HE

ABSTRACT

The information age, computer professional development needs more innovative entrepreneurial talent, therefore, how to improve the computer specialty students innovation ability, become the current college computer professional education should be an important problem of the main research. This paper analyzes the problems existing in the process of innovation and entrepreneurship education of computer major students in Colleges and universities, and puts forward some strategies on how to create a scientific education model. It is of great practical significance to comprehensively improve the level of computer professional education and promote the sustainable development of college students toward entrepreneurial talents.

KEYWORDS

Colleges and universities, computer science, innovation and Entrepreneurship Education.

PROBLEMS EXISTING IN THE INNOVATION AND ENTREPRENEURSHIP TRAINING OF COLLEGE COMPUTER MAJOR STUDENTS

There is a contradiction between talent training and innovative education

At present, the computer major has become the major of the major colleges and universities in China, the difference is that the professional characteristics of different colleges and universities are different, so the goal of personnel training is necessarily different. According to the nature of computer professional work, it can be divided into application, engineering and research fields. A university in professional software as an example, goal setting to create excellent quality, moral character, theory of solid, strong foundation of talent cultivation, excellent research and implementation ability, coordination and communication ability, applied talents with strong practical ability. However, the goal setting does not cover the content of innovation and entrepreneurship education, which is unreasonable and can not be fully compatible with innovation and entrepreneurship education, thus hindering the sustained and comprehensive development of the latter.
Lack of innovation and entrepreneurship education concept

At present, many universities still pay much attention to the employment of college students, which directly leads to the larger proportion of the innovation and entrepreneurship education have not been given due attention, some teachers and students cannot correctly set up the innovative education concept, leading education mode is too single, not with the computer professional education comprehensive integration. In fact, the organization to carry out innovation and entrepreneurship education goal is not only to train a number of outstanding entrepreneurial talent, but to cultivate a number of excellent talents, rapid digestion and absorption of advanced culture and ideology, and promote the continued development of the socialist, breaking through the traditional culture of imprisonment. Therefore, colleges and universities should regard innovation and entrepreneurship education as the same important position as professional education. To carry out specific work, colleges and universities should be unique, the relevant policies as a standard, according to their own strength level, choose the most appropriate way to carry out innovation and entrepreneurship education, promote students to achieve a comprehensive sublimation.

The construction of teaching staff needs to be further strengthened

From the current innovation and entrepreneurship education to cultivate teachers in our country, many colleges and universities generally lack teaching talents with both theoretical knowledge and rich practical experience. In fact, the effective development of innovation and entrepreneurship education activities cannot be separated from the core of the teaching staff. The main way to train talents needs to be completed by teachers. At present, teachers in China Innovation and entrepreneurship education development is still in the growing stage, some university teachers' teaching talent usually research teacher, their outstanding achievements in the academic field, but the innovation ability has always been lacking, unable to complete the self-development good. On the other hand, some innovation and Entrepreneurship with higher teachers’ experience is rich, but cannot get the higher education and research in recognition, at the same time for the teachers, they are more likely to engage in their own business, do not want to development in Colleges and universities have much. The innovation and entrepreneurship education teachers team more from administrative department deployment, professional knowledge is insufficient, cannot support the practice, although after training can make up for the lack of practical experience, but always lack of entrepreneurship. Organizational innovation and entrepreneurship courses are mostly to explain theoretical knowledge, lack of deeper practical skills link.

INNOVATIVE TRAINING MODE OF COMPUTER MAJOR STUDENTS IN COLLEGES AND UNIVERSITIES

Set up the goal of talents training in accordance with the goal of innovation and Entrepreneurship Education

The ultimate goal of higher education is to train students to have the potential of autonomous learning and higher level of development. Innovation and
entrepreneurship education in the final analysis is to exercise and enhance the spirit of innovation and entrepreneurship, so that they have entrepreneurial planning and scientific awareness of independent entrepreneurship. Whether the goal of personnel training is clear is related to the integration and development of computer professional training and innovation and entrepreneurship education. Therefore, colleges and universities in our country should speed up the updating of the current development of computer professionals, and introduce the core purpose of innovation and entrepreneurship education to eliminate the contradiction between them. For example, college computer professional talent training objectives can be set as: through the organization to enrich the education activities, help students master the theoretical knowledge is more solid and good professional skills, and should have the sense of innovation thinking, good insight into the computer industry development opportunities, have good coordination management and leadership, have the spirit of challenge in dealing with the problem.

**Correctly establish the concept of innovation and Entrepreneurship Education**

The era of knowledge economy has put forward new requirements for higher education, personnel training should not be limited in the teaching of theoretical knowledge, but also should guide the students to form the correct views, good sense of responsibility and the ability of practice and innovation. In other words, students should develop innovation and entrepreneurial ability as an important position, through the practice of self-awareness, enhance literacy. The development of innovation and entrepreneurship is not easy, but through long-term efforts, the system of the work is high, so we should encourage innovation and entrepreneurship concept to form the positive influence on the idea of higher education in professional education at the same time, reasonable integration of innovation and entrepreneurship education, to achieve a comprehensive update of computer education mode reform.

The characteristics of computer technology update quickly determine the computer industry talent demand is the basic point of innovation, only innovation, can quickly adapt to the needs of society, to achieve greater breakthroughs. Therefore, computer major should make use of innovation and entrepreneurship education to encourage students to form a strong sense of innovation and ability. On the basis of professional education, we should renew the concept of educational thinking, assist students to correctly understand innovation and entrepreneurship education, and organically integrate professional education with innovation and entrepreneurship education. We should bear in mind that only the correct concept can better guide the beginning of action, and the specific way determines the fundamental effect of learning. Therefore, the computer professional innovation and entrepreneurship education practice in the first stage, should be fully aware of the professional education association with both innovation and entrepreneurship education, the single teaching theory has become more comprehensive, more optimization, enhance the students' sense of social responsibility and awareness of entrepreneurship, high school talent training mode update.
Strengthening the curriculum system construction of computer major

In the current situation we should be clear that computer professional students' innovation and entrepreneurship education training courses should be forward actively toward general curriculum field, namely to promote innovation and entrepreneurship curriculum content of the effective compatibility, constructing the multiple education system a set of function interspersed. Specifically, colleges and universities should actively do a good job of innovation and entrepreneurship education curriculum system construction, according to the category, characteristics of compulsory, elective course content, and the two categories of curriculum management. The compulsory course should regard the basic theory study as the key point of education, and encourage the students to establish a good sense of innovation and entrepreneurship. Elective courses should focus on the innovation and entrepreneurship personalized education, focusing on the promotion of students' innovative and entrepreneurial comprehensive level. In addition, all kinds of public courses should be further improved and updated. In general, the public university curriculum system usually is perfect, with innovative ideas to optimize update processing on the original public courses, add rich innovative work ideas, make effective docking of various cultural curriculum integration, use of public elective courses in education training mode to enhance students' autonomous learning enthusiasm and initiative. In addition, colleges and universities should strive to make good use of the interaction between innovation and entrepreneurship education and professional education, add rich innovation and entrepreneurship elements to professional courses, boost the optimization and improvement of professional curriculum system.

Establishing high level teachers team

Stage of development of innovation and entrepreneurship education in Colleges and universities, teachers team construction is the key, colleges and universities should fully optimize the talent introduction and training system, and form a good teacher full of innovation and entrepreneurship education team to use scientific electoral system. In the professional education of talents, universities can be introduced by the society more outstanding and more comprehensive talents of innovation and entrepreneurship education, can also strengthen cooperation, so that some entrepreneurs came to the school as a part-time teacher, bring ideas and high-quality curriculum content updates for students. The computer in the field of successful entrepreneurial talent, colleges and universities can invite the personnel as a lecturer, part-time teacher, to teach students more practical and more abundant experience to share the experience with full-time teachers. In addition, colleges and universities can convene full-time teachers to organize entrepreneurial teachers' curriculum training, so that they can consolidate the basic knowledge and improve teaching skills. Furthermore, universities should give the necessary support in policy and funding of scientific research, encourage more teachers engaged in teaching and research activities, participate in important academic seminar of computer industry, the innovation and entrepreneurship education training teachers' knowledge structure is more perfect and full, can quickly grasp industry trends.
SUMMARY

In a word, in the era of knowledge economy, higher education should break through the traditional training mode and attach great importance to innovation and entrepreneurship education. Based on the characteristics of the development of computer science, in carrying out innovation and entrepreneurship education process, should establish a correct concept of education, innovation and entrepreneurship education training goal set with the target of talent, to create a high level of teachers, strengthen the construction of computer professional curriculum system, can achieve a multiplier effect of teaching, to achieve greater development and promotion.

ACKNOWLEDGMENTS

Paper thanks work of corresponding author Wu Tiefeng.
This work was financially supported by Research project of education and teaching in Jiamusi University, Project number: JYA2011-071 fund. This work was financially supported by Research project of education and teaching in Jiamusi University, Project number: 2016JL1028 fund. This work was financially supported by Planning Department of Provincial Education Department, Project number: GJC1316182 fund.

REFERENCES