

Research on The Course System of Automobile Detection and Maintenance Technology Based on Innovation Entrepreneurship Education

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Abstract—Innovation and entrepreneurship education is an important means for higher vocational colleges to cultivate and guide students to improve their comprehensive ability. This paper studies the current situation and demand of education innovation and entrepreneurship in higher vocational colleges. In view of the widespread heavy light ability, heavy professional light problem such as the process of thinking and light weight results, combining with the status quo of vehicle inspection and maintenance technology professional curriculum, in order to cultivate creative consciousness and ability, for the purpose of innovation entrepreneurship education into the higher vocational professional curriculum system in vehicle inspection and maintenance technology, to build the course system of vehicle inspection and maintenance technology, in order to meet the increasing requirements of the innovative technology of skilled personnel training.

Keywords—Innovation entrepreneurship education, Course System.

I. INTRODUCTION

In the outline of the national medium - and long-term education reform and development plan (2010-2020), it is clearly proposed that innovation and entrepreneurship education is a new teaching concept and mode to meet the needs of economic society and national development strategy. Innovation and entrepreneurship education is for all college students. Innovation and entrepreneurship education should be integrated into the whole process of talent cultivation. Innovation and entrepreneurship education should better cultivate the vocational skills and employ ability of every student. The state encourages college students to start businesses. Students are allowed to suspend their studies to start their own businesses. We will encourage the establishment of incubation bases for innovation and entrepreneurship among college students. We will open a green channel for college students to start businesses and encourage them to innovate and start businesses. From the employment situation, the employment situation of college students is becoming increasingly serious. Colleges and universities across the country have issued corresponding policies to cope with the grim employment situation. Higher vocational colleges only set up scientific and effective courses of innovation and entrepreneurship. Higher vocational colleges internalize innovation and entrepreneurship into the professional curriculum structure and build a professional curriculum system based on the training objective of innovative technical and technical talents. We will guide and update students' ideas on employment and career choice, and improve their ability and initiative in independent innovation and entrepreneurship. Only in this way can we increase employment opportunities and fundamentally solve the employment problem. According to the survey, 70% of college students in China have entrepreneurial intention. But fewer than 5 percent actually do. The percentage of American college students starting businesses is as high as 20%. Microsoft founder Bill Gates is one of the representatives of success, and it is the entrepreneurial myth of Microsoft that inspires more American college students to carry out innovation and entrepreneurship.

Big data analysis of China's automotive aftermarket shows that in 2015, the scale was nearly 800 billion yuan; Small and medium-sized enterprises in the automotive aftermarket dominate, 93% of enterprises with fewer than 50 employees. The registered capital of less than 500,000 yuan accounts for 70% of the total number of enterprises. Automobile decoration and beauty, quick maintenance and self-employed enterprises account for half of the automobile market. Thus, compared with other industries, automobile industry is more conducive to self-employment. According to the difference, More than 87% of students majoring in automobile have the need to start a business. The entrepreneurship rate of students is 2% one year after graduation, 4% three years after graduation and 7% five years after graduation. It can be seen that, on the whole, students majoring in automobile have a higher success rate of starting businesses after graduation. But students directly start a business after graduation is 0. I may not have full confidence in innovation and entrepreneurship. Some students who carry out innovation and entrepreneurship in school and students who have entrepreneurial needs often find employment before choosing a career during internship.

According to the investigation and analysis, education of automobile major in higher vocational colleges has the following contradictions with the entrepreneurial status of students:

1. The success rate of automobile major entrepreneurship is high, but the ratio of students directly engaging in automobile related entrepreneurship after graduation is 0.

2. Although students in school have been trained through practice, on-the-job internship and other practical training, students who still have the need to start a business choose to get employed before starting a business.

Above all, the school bus of the existing course system and education teaching mode can't satisfy the needs of the students' innovative entrepreneurial, school existing experimental training conditions are far less than the demand of the students' innovation ability, this article through groping to reform the existing curriculum system, the innovation entrepreneurship education into the curriculum system in order to solve the above contradictions.

II. EDUCATION STATUS QUO OF INNOVATION AND ENTREPRENEURSHIP IN HIGHER VOCATIONAL COLLEGES

The innovation and entrepreneurship related courses offered by higher vocational colleges are usually in the form of compulsory courses or elective courses, which are independent from professional courses. For example, by carrying out innovation and entrepreneurship practice competition activities, students' awareness of innovation can be enhanced, entrepreneurship and employment guidance courses can be carried out, and students' awareness of innovation and entrepreneurship can be enhanced, so as to enhance their innovation and entrepreneurship ability.

Problems existing in education of innovation and entrepreneurship in higher vocational colleges:

1) Emphasis on courses over abilities

The curriculum of innovation and entrepreneurship in higher vocational colleges attaches importance to theoretical teaching design and assessment, and often neglects the cultivation of students' learning ability, practical ability and innovation ability. Therefore, students' innovation and entrepreneurship ability is only reflected in a test paper or a report, and students' innovation and entrepreneurship ability has not been really improved.

2) Professional over thinking

Higher vocational colleges mainly train professional and technical application talents. Great attention should be paid to the cultivation of professional knowledge and skills. In addition to the training of professional skills, the cultivation of thinking ability should also be strengthened. At the same time of learning practical ability, students should also learn to use their brains to think, cultivate innovative thinking of students, and promote students to take the initiative to adapt to the development of society.

3) Heavy results light process

Higher vocational students in professional competition, only pay attention to the results, in order to more in the short term, the result is often USES the existing results are simple changes, or directly to find ready-made achievement, students' utilitarian heart makes innovation entrepreneurship competition become a mere formality, in the process of the cultivation of the students' innovative spirit and has not been fundamentally.

2. Establishment of education for innovation and entrepreneurship in the course system of automobile major in higher vocational colleges

Car in the curriculum system in higher vocational schools introduce innovative entrepreneurship education, according to the professional characteristics of student, innovation entrepreneurship education into the car in the curriculum system in higher vocational colleges, and public basic course, professional basic course, professional core courses, professional practice lesson, and the organic combination of the second classroom, students in the process of professional education, quality-oriented education implementation innovation entrepreneurship education and the construction of professional curriculum system.

1) Establish a "double tutor" system

The cultivation of innovative and entrepreneurial talents for automobile major in higher vocational colleges not only requires teachers to have the quality of double teachers, but also employs industry and enterprise experts to teach in the school, and jointly guides students to complete the training of classroom teaching, practical teaching, professional basic knowledge, professional skills, professional ethics and other aspects. It not only adapts to the needs of the society for talents, but also meets the diversified development requirements of students. Double tutorial system in higher vocational colleges refers to employ full-time teachers for the students in the campus as a student of the school teacher, in the practice base hired some business ability is strong, with rich work experience and enterprise backbone industry elite as a school teacher, school teacher and mentor to form outside matching relations, guide with a group of students, guide for students on a regular basis. The specific course allocation scheme is shown in table 1.

TABLE1 DOUBLE TUTOR SYSTEM ALLOCATION SCHEME

Name	Role	Course
The school teacher	Student management	Common required course etc.
	Full-time teachers	
Off-campus mentor	Training supervisor	Professional course etc.

2) Establish the "one-specialty and multi-ability" innovation and entrepreneurship teaching system to lay the foundation for innovation and entrepreneurship

In the education teaching process of automobile major in higher vocational colleges, the cultivation of talents with "one specialty and multiple abilities" refers to the cultivation of vocational skills corresponding to practical skills, while the cultivation of "one specialty" refers to the cultivation of professional core skills, which is reflected by students obtaining corresponding vocational qualification certificates.

"Versatile" refers to professional qualification certificates related to majors. The more vocational qualification certificates students obtain, the stronger their composite ability will be. The cultivation of innovation and entrepreneurship ability and quality should be integrated into the vocational qualification training process. Innovation and entrepreneurship ability includes the ability to identify opportunities, professional ability and environmental adaptability.

1) Ability to identify entrepreneurial opportunities

There are mainly policy opportunities -- courses in macropolitics and economics. Technical opportunities -- automotive testing and maintenance technology courses. Market opportunities -- automobile technical service and marketing courses.

2) "Professional competence" course setting

Operational ability -- technical expertise. Management ability -- professional ability at the management level.

3) "Environmental adaptability" course setting

Environmental adaptation mainly refers to the high adaptability of individuals in psychological, social and social aspects. Specialized courses based on the ability to adapt to the environment include marxist philosophy, college students' mental health, business negotiation and interpersonal communication skills.

III. SUMMARY

Entrepreneurship education in higher vocational colleges professional car innovation system has some problem, can be combined with their own advantages and characteristics, explore suitable for students' development, conform to the law of education innovation entrepreneurship education and quality education, summing rules, promote the cultivation of innovative talents, with an emphasis on the cultivation of the innovation ability and thinking, build conforms to the social development in higher vocational colleges car professional innovation entrepreneurship education system.

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