

Analysis on Practical Training Teaching of Automobile Inspection and Maintenance

He Huang

*Hunan Finance and Economics Industrial Vocational and Technical College (Department of Automotive Engineering), Hengyang, Hunan, China
Email: 14158592@qq.com*

Abstract: *The car practice teaching reform should highlight student's main body status, stimulate the students' creativity and imagination to the greatest extent, and give students more practice opportunities, the actual working status and the organic combination of classroom teaching and realize zero distance between school and work, so as to promote the further development of teaching reform. Strengthen the effect of practical training, stimulate students' interest in learning, and improve students' comprehensive quality.*

Keywords: *Automobile Maintenance Teaching Mode Teaching Effect Teaching Reform*

With the continuous progress of the society, the automobile market is booming, and the development of the automobile market after consumption is changing with each passing day.[1]

At present, the national automobile maintenance industry is more and more, the demand for talents in this respect is also increasing. In recent years, due to the enrollment expansion of various vocational colleges and universities, the number of graduates of automobile maintenance major is increasing year by year, which makes the shortage of maintenance personnel below the middle and higher levels improve. However, with the rapid development of science and technology, especially the equipment normalized, popularize application of artificial intelligence, a lot of high-tech products has been applied in the car, it's skills put forward higher requirements for the motor repair personnel, we need to develop more high quality, high skills before is different from the traditional service industry professionals, can acquire the in vehicle maintenance and repair process. At present, the high quality automobile maintenance personnel is very short, which hinders the normal development of its maintenance industry, and has been unable to meet the requirements of most customers. Therefore, the society has a great demand for high-quality automobile maintenance professionals, and higher vocational automobile detection and maintenance technology has a broad space for development.[2]

1. Problems Existing in Classroom Teaching of Traditional Automobile Specialty

Vocational college students basic knowledge is weak, lack of imagination and creativity in learning, did not develop good learning methods and habits, to master the PLC application technology is really a difficult task. "Cramming" teaching from beginning to end, with the teacher reading from the book; Even if use the multimedia information technology in teaching, teaching method is to change, but the teaching content is not novel, to carry the books content intact to the screen without actual jobs demand closer to the modern, to reach the ideal effect of professional teaching, such as vehicle maintenance and repair services on 6 s management and practical work; The separation of theory and practical operation, the emphasis on theory and the neglect of professional training, resulting in the loss of students' interest in learning and difficult to mobilize their enthusiasm, seriously impeding the improvement of students' professional ability; The teaching arrangement of some theoretical courses has a long time span, so students can't perceive the knowledge as a whole and do not understand it deeply, which virtually increases the difficulty of learning. Theory and practice cannot form a joint force in teaching content and teaching methods, and some teachers are basically from "colleges" to "colleges" and lack of experience and training in the actual production line of enterprises, resulting in the disconnection between theory and practice. Traditional teaching mode with professional theory as the center, it is difficult to effectively complete the teaching task of PLC application technology programming, which cannot meet the needs of students' learning[3].

2. Exploration on the Reform of the Teaching of Automobile Testing and Maintenance Specialty

Update the teaching concept, focus on student-centered, change the teaching orientation, and build a high-quality team of double-teacher practical training teachers. In teaching practice, students' innovative consciousness should be brought into full play, and diversified teaching means should be adopted to combine teaching with practice[4]. In the setting of practical training courses, we should strive to achieve the knowledge learned in class, and the requirements of the industry should also be infiltrated. In the choice of teaching content, pay attention to the training of students' skills, improve the practical ability of students, students once out of school, to work, can play their own advantages, to achieve the purpose of "out of the furnace that is into steel" education. The guiding work of theoretical knowledge is reflected in practice, so that they realize the necessity of learning theoretical knowledge, and combine book knowledge with practice organically, and change the teaching mode of theory and practice thoroughly. Constructing the enterprise working environment teaching site, training and improving the professional teachers' practical operation ability, so that students and teachers can be deeply involved in the actual working environment of the enterprise, change the single teaching mode of the classroom. In the actual teaching, we should be good at creating the real situation of the enterprise, training the development of students' skills, integrating teaching and practice, taking the completion of students' tasks in the work process as a means of evaluating their ability, so as to reflect the effectiveness of teaching and the connection with the requirements of the enterprise[5].

Build a perfect new system of practical training and teaching. The teaching of automobile maintenance major is different from other courses. In addition to requiring students to master the professional theoretical knowledge of automobile structure, students are also required to have skilled practical operation skills. Effective training of students' basic skills of vehicle fault diagnosis, troubleshooting and maintenance is the basis of the teaching of this major. Therefore, the study of automobile maintenance theory can be gradually integrated into the practical training teaching, and the construction can be completed Good practice training operation system, which is also the needs of students to work, enterprise employment. Integrate and complement theoretical and practical teachers, as well as external teachers hired by colleges and enterprises to improve their teaching and learning abilities. Most of the part-time teachers hired by the school are from local automobile maintenance enterprises. They have rich work experience and can better help students solve various problems encountered in the practical training process, answer various professional standards of employment in the background of the enterprise, and improve students' ability to deal with problems. Classroom knowledge is extended and expanded, and students' innovation ability is cultivated.

The introduction of information technology to enrich the teaching content. With the continuous development of science and technology, automobile inspection equipment plays an indispensable role in the process of automobile maintenance. However, some schools have limited equipment for automobile repair. In order to adapt to the development of The Times, it is urgent to carry out multi-means and multi-way teaching with the help of information technology in teaching. Such as the car multimedia simulation equipment and the "cloud" classroom through information technology such as online video micro class presented to the students, enrich their perceptual knowledge, make teaching content more rich, vivid and intuitive, and to the image of language teachers, causes the student to clearly recognize the parts, parts and working principle, improve the students' interest in learning this course, the understanding of abstract theory in the process of learning easier, use modern technology to show car most of the structure and the relationship between, improve the students' cognitive ability. Micro-class and flipped class can make it easy for students to use their spare time in daily life to repeatedly watch the knowledge points they cannot understand, and at the same time, they can ask questions online to answer the knowledge. Finally make students understand the principle of knowledge deeply, in order to improve their practical ability.

New teaching mode, automobile application and service specialty for auto after-market related businesses each post, its purpose is to improve the students' professional practice ability, promotes the student as the standard of education concept, looking for a flexible teaching mode, through specific professional practice activities, enrich the students' work experience, improve the students' professional ability and professional quality. At the same time, the school should establish a team of double-qualified teachers, through a variety of channels to improve the theoretical and practical level of teachers, timely update knowledge, adjust the knowledge structure, so as to constantly improve their own, for our school to strive for "double-high" colleges contribute their own strength.

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