

Research on Training of Mechanical Manufacturing and Automation Professionals Based on Professional Quality Orientation

Lingwei Wang

Jiangxi University of Engineering, Jiangxi, Xinyu, 338029, China

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Abstract: With the continuous development of science and technology, the machinery industry is developing rapidly, which is a new development opportunity for the domestic machinery manufacturing industry, and at the same time it is a huge challenge. For the machinery manufacturing industry, it is reasonable to grasp this opportunity and meet the challenge. This puts higher demands on the personnel training of mechanical manufacturing and automation. In this paper, under the guidance of professional quality, how should the mechanical manufacturing and automation majors carry out research and discussion on corresponding personnel training, and then propose corresponding teaching measures.

1. Introduction

Professional literacy contains a lot of content. In the teaching process of mechanical manufacturing and automation, the professional quality is the teaching requirement, which can effectively improve the quality of teaching, and can accelerate the training process of applied talents and effectively improve the professional quality of students. And comprehensive literacy, so that students can more adapt to the development needs of the machinery industry in the new era. Therefore, in the current teaching process of mechanical manufacturing and automation, in addition to strengthening the teaching of students' basic knowledge and professional skills, it is necessary to strengthen teaching reforms to effectively improve the professional quality of students. In the actual teaching process, teachers are required to make full use of the positive role of professional quality, to continuously optimize and innovate their teaching methods, and to effectively use professional qualities to effectively improve their teaching quality.

2. Overview of Professional Quality

Professional quality is mainly reflected in professional interests, professional ability, professional personality and occupational situation. It is a comprehensive ability, which includes professional theoretical knowledge, practical ability, psychological quality, professional ethics and other aspects. In the process of social and economic development, cultivating the professional qualities of the corresponding personnel can effectively accelerate the development of the industry and effectively accelerate the development of social economy. To a certain extent, professional quality determines the development potential and labor value of an employee. Those with higher professional quality can have better development opportunities [1]. In the process of talent cultivation in mechanical manufacturing and automation, professional quality can effectively cultivate students' professional skills, and can effectively improve students' professional ethics and practical operation ability. In the development process of the machinery industry in China at this stage, it is necessary to have some special talents with high professional ethics, strong professional skills and excellent basic theoretical knowledge. Therefore, in the current process of training mechanical manufacturing and automation professionals, it is necessary to gradually realize the positive impact of professional literacy on students' future development, and effectively cultivate students' professional qualities in actual teaching activities. Students' professional quality and technical ability can effectively enhance students' adaptability to the profession to meet the talent needs of the machinery industry.

3. The Role of Professional Quality in Mechanical Manufacturing and Automation

In the process of cultivating mechanical manufacturing and automation professionals, based on professionalism, comprehensively strengthen the basic education for students, and can combine the corresponding practical activities to help students develop good learning attitudes and habits to further develop students. The spirit of innovation and pioneering spirit to adapt to the development of the machinery manufacturing industry [2]. In the actual teaching process, teachers are required to strengthen the teaching reform, in order to proceed from the actual teaching situation, and constantly innovate teaching methods to effectively stimulate students' interest in learning. While strengthening the teaching of basic theoretical knowledge, it can effectively enhance the professional quality and special skills of students. In the traditional teaching process, due to the limitations of the teaching methods, the teaching work is mainly based on basic knowledge, supplemented by experiments and practical teaching, and the teaching method of the theory seriously dampens the students' enthusiasm. In addition, the theoretical knowledge of the major is relatively boring, and the difficulty of learning is relatively high. Students are prone to the feeling of being tired of learning during the process of learning. If the teacher is only instilled, it will seriously affect the learning effect of the students. Borrowing professional literacy to strengthen teaching reform, through effective guidance and supervision to help students establish corresponding learning plans, in order to effectively cultivate students' learning motivation, and thus continuously strengthen the internal motivation of students' learning, so that students can theoretically learn in the process of learning. Combined with practical activities to effectively improve students' practical ability. This requires teachers to combine the students' classroom performance in the process of teaching, to stimulate students' potential through targeted teaching activities, and to tap the students' specialties to continuously optimize the teaching classroom.

In the design and teaching process of mechanical manufacturing and automation, the use of professionalism can effectively transform the teaching model of teachers, and can help teachers effectively transform the management of their teaching. In order to effectively cultivate students' professional quality, in the actual teaching process, teachers are required to strengthen the professional quality education for students, and can effectively break through the constraints of traditional teaching concepts to help students build corresponding capacity evaluation systems, and then combine the actual teaching content to speed up teaching management. Compared with the traditional teaching mode, teachers can adopt an open credit system to strengthen teaching management. In the teaching process, students are comprehensively assessed and evaluated according to their classroom performance and the specific learning situation of the students. In order to effectively enhance the teaching effect, teachers can formulate corresponding teaching plans according to the students' learning progress and career development needs, and help students to establish corresponding learning programs to effectively improve students' professional ability. In this session, teachers are required to effectively strengthen the management of mechanical manufacturing and automation students. Taking into account the development needs of the machinery manufacturing industry, it is necessary to strengthen the corresponding practical activities in the actual teaching process, to flexibly arrange the students' learning tasks through the combination of theoretical knowledge and practical activities, and to flexibly apply different Teaching methods to enrich their teaching content, and then fully mobilize the enthusiasm of students, effectively broaden the knowledge of students, and gradually enhance students' adaptability. For example, in the actual teaching process, teachers can enrich their teaching forms through experimental teaching, multimedia teaching, and trial training, thus broadening the content of their teaching.

Applying professional quality to the process of teaching personnel training in mechanical manufacturing and automation can effectively strengthen the management of students. In fact, in the current stage of teaching management, most of them adopt the extensive management mode. This kind of management method greatly dampens the students' enthusiasm for learning. Due to the reduced requirements for students, students lack goals and orientation in the process of learning, and it is difficult to complete the corresponding learning tasks according to the requirements of

teachers. More importantly, the extensive management method is difficult to help students discover problems in their daily life and learning, which leads to students' incorrect ideas in the process of learning, which will be seriously affected to some extent. The learning effect of the students. With the help of professional quality, we can effectively strengthen the management of students, and use a refined management approach to understand students in an all-round way, and can combine the basic situation of students and establish a corresponding evaluation system to effectively implement the corresponding management work [3]. In the actual teaching management process, the counselor can communicate effectively with the students to clarify the problems existing in the learning process, so as to effectively transform the students' concepts through targeted guidance. It can effectively strengthen the management of students through personalized management methods, help students master their own learning situation, and effectively identify the gap between students and their students, so as to further develop the professional quality of students.

4. The Use of Professionalism to Strengthen Teaching Measures

In the process of talent cultivation in mechanical manufacturing and automation, in order to effectively improve the professional quality of students, in order to meet the needs and requirements of enterprise development, teachers can clarify the goal of talent training, and can combine training objectives and optimize in the actual teaching process. Teaching to effectively improve the professional quality and professional skills of students. In the current development of China's machinery manufacturing industry, it is mainly based on cheap labor, lacking corresponding innovation and innovation. Therefore, in the current process of training mechanical manufacturing and automation professionals, teachers are required to combine the actual problems with the actual development needs to scientifically and rationally establish talent training goals. First of all, in the teaching process of mechanical manufacturing and automation, we must effectively improve students' creative spirit and innovative spirit, and at the same time effectively improve students' professional quality and ability. Therefore, in the actual teaching process, teachers are required to combine the corresponding teaching content to effectively improve the mechanical design and manufacturing technology of students, and can combine theory and practice to continuously improve the personnel training mechanism to combine computer automation and digitization. Management comprehensively improves the quality of mechanical manufacturing and automation personnel training to promote the individualized development of students, enabling students to better adapt to the development needs of the mechanical manufacturing industry.

In the process of talent cultivation in mechanical manufacturing and automation, in order to effectively improve the professional quality of students, teachers are required to combine the characteristics of the development of the times to continuously innovate the concept of enterprise personnel training, and to clarify the principles of talent cultivation. In the development process of the machinery manufacturing industry, the demand for mechanical manufacturing and automation talents has gradually increased, and in the development process of the industry, the most lacking is the application talents with high skills and hard technology. Therefore, in the specific teaching process, teachers are required to strengthen the teaching of basic knowledge. In the teaching process of mechanical manufacturing and automation, students are required to have solid theoretical knowledge as the basis to cultivate students' professional ability. Therefore, in the actual teaching process, only teachers can focus on strengthening the teaching of theoretical knowledge, but also need to combine the corresponding practical activities, based on the application [4]. In the process of talent cultivation in mechanical manufacturing and automation, teachers are required to combine theory with practice, strengthen the teaching of theoretical basic knowledge, and apply relevant theoretical knowledge to further enhance students' learning effects. At the same time, in the process, teachers should be able to consider the future development of students. The main purpose of students' learning is to enter the market to meet the needs of the development of the machinery manufacturing industry, and to keep up with the trend of the times to avoid being eliminated. Therefore, in the process of internship teaching in mechanical manufacturing and automation, teachers are required to fully recognize the importance of basic knowledge teaching, and can

combine the corresponding practical activities to effectively improve students' professional skills and professional ability. Further strengthen the cultivation of students' adaptability, so that students can meet the development needs of the machinery manufacturing industry, so as to effectively improve the overall quality of students.

In order to effectively improve the professional quality of students, in the actual teaching process, teachers are required to combine the practical application of mechanical manufacturing and automation to select the appropriate training method for talents. First of all, the goal of talent training in mechanical manufacturing and automation is to train special application-oriented talents. In the actual teaching process, teachers are required to effectively convert their teaching concepts to break through the limitations of traditional teaching concepts and to combine the characteristics of the times. Further clarify the goals and direction of talent development, as well as the needs of students' final career development [5]. The corresponding teaching work can be oriented towards modernization, facing the world and facing the future. In the 21st century, the most lacking is innovative talent. In the process of teaching, teachers are required to realize the importance of cultivating students' innovative ability, and can continuously innovate their teaching methods in the direction of talent training to effectively cultivate students' innovative spirit. In the process of the development of the machinery industry, it is necessary to continuously cultivate its innovative spirit and creativity. Only in this way can it effectively cultivate its professional quality to better meet the needs of the development of the machinery industry. At the same time, in the process of teaching, teachers also need to effectively improve the students' moral awareness, in combination with the corresponding teaching content, and continuously improve the students' moral quality, so as to effectively improve the students' professional quality.

5. Conclusion

In short, with the continuous development of social science and technology, the demand for mechanical manufacturing professional automation talents has gradually increased, and the requirements are getting higher and higher. Therefore, in the current teaching process, teachers are required to combine the talent needs of the market and continuously innovate the teaching mode to strengthen teaching management and student management, and gradually improve the professional quality and theoretical level of students to cultivate compound talents. This effectively strengthens the modernization of the talent team.

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