

Analysis of Applied Talent Training Mode in Local Universities under the Background of New Engineering

Wenqian Zhang

TaiShan University. Taian, Shandong. 271000

Abstract: With the modern social education field reform and development and innovation, in the new engineering background, the local colleges and universities in China should find their own positioning, to improve the field of education teaching plays a positive role, should have the unique characteristics and make full use of resources, truly meet the needs of modern society enterprise demand for high quality talents, and promote the development of local social economy. Therefore, this paper clarified the importance of improving the previous local universities and put forward the strategy of local universities under the new engineering background.

Keywords: New engineering background; Local universities; Applied talent training

Introduction: At present, China's traditional engineering education can not meet the needs of China's current economic development, However, in order to further promote the development of engineering education, China's education authorities published the "Fudan Consciousness" in 2017, It clearly points out that the local colleges and universities should be relative to the local social and economic development and the technological innovation needs of local enterprises, Clarify the direction of talent demand and make full use of the unique characteristics of local areas and resources, Use of the local strengths, Improve the cooperation between schools and enterprises, Jointly educate high school students, In order to greatly improve the employment and entrepreneurial ability of college students, To cultivate applied talents for the country.

1. The importance of improving the previous training mode of applied talents in local universities

At present, China's engineering education is the largest in the world, with 33% of the students studying engineering subjects in Chinese universities. However, now the engineering education in China has not kept up with the pace of economic development in the new era, and there are many deficiencies in the overall quality and the degree of knowledge of engineering students. However, under the background of new engineering, China's new economic development and new industry in the future need new talents with strong practice, brave innovation and high comprehensiveness. Under this background, China's education departments should actively improve the previous training mode of applied talents in local universities. Under the background of new engineering in today's society, the efficiency of cultivating application-oriented talents in local universities is closely related to various factors such as teaching philosophy, teaching methods, teaching content and quality of teachers. If the training of applied talents is not based on the local economic level, the current situation of local social development and the employment standards, Then the trained applied talents will not be able to meet the needs of the new economy and new industries in the future, It is mainly shown from four aspects: the first aspect is, The teaching philosophy of colleges and universities is not in line with the current employment direction, At present, most local universities have a lack of investigation on the status quo of local society in cultivating applied talents, As a result, the standards that do not meet the needs of local society and enterprises in the new economy, Thus, the unreasonable setting of majors, the unreasonable creation of courses, the no innovation of teaching content and the failure of improving the traditional teaching methods lead to the colleges and universities focus on theory and ignore practice, College students have no sense of participation in practical training, And so that we cannot grasp the form of today's new social economy, The knowledge mastered by college students is too old and can not keep up with the

pace of social development in the new era. In this way, college students can not understand the new economic form, so that the standards of local society and enterprises cannot conform to the new environment and the new economy; the teaching content of universities is too focused on the theory, and the knowledge of college students is too backward behind the current situation of local social industry development, and the professional courses created by universities cannot keep pace with the new era and the development of local enterprises and society. Universities and local enterprises are not integrated, Enterprises have not really implemented the college students to participate in the practical operation link, As a result, college students have no practical training experience, After graduation from colleges and universities, there is no way to adapt to the environment and social status quo of local enterprises; The third aspect is that, The teaching method in colleges and universities is too traditional, In the new engineering background of the new era, Local colleges and universities should pay more attention to the cultivation of college students' practical operation ability, At present, many local universities in China are the traditional mode of teaching knowledge, Thus ignoring the subjectivity of college students in the teaching process, College teachers are still the classroom, Therefore also greatly reduced the enthusiasm of college students learning; The fourth aspect is that, College teachers are too lacking of engineering-related background, The high quality construction of university teachers is the guarantee and important core of cultivating applied talents in local universities. In today's society, local colleges and universities introduced teachers' low qualifications, age is generally younger, local college teachers only took a fancy to the teachers graduated from colleges and universities, thus ignoring the local colleges and universities cultivate applied talents for teachers' engineering practice ability has higher requirements, so serious lead to the university teachers too lack of engineering practice ability.

2. Strategy of training mode of applied talents in local universities under the background of new engineering

2.1 To cultivate the applied talents with innovative consciousness as the main goal, to improve the traditional training mode

In engineering education, the most basic requirement is the combination of industry, education and research, which is to start from the internal training of universities and then gradually move to the cooperative training between universities and enterprises. Local major industries and enterprises will participate in the process of talent training, make the local enterprises evolved from just unit of choose and employ persons and universities cultivate talents unit, maximize the local each big enterprises have authenticity and engineering related environment and to provide college students the most advanced engineering practice conditions, to local colleges and universities to create a real can cultivate students' practice ability of engineering and engineering design ability. In the four years of education in local colleges and universities, it can be divided into "2.5 + 1.5" or "3 + 1" education mode, so that college students can have at least one year to enhance their engineering practice ability among major engineering enterprises. At the same time, it can combine the graduation design with the actual operation of major engineering enterprises to complete, and can greatly strengthen the students' employment and entrepreneurial ability.

2.2 We will strengthen the construction of double-qualified teachers in colleges and universities

In local colleges and universities want to build a good teachers and entrepreneurs of double type teachers, according to the local enterprise production technology projects in the field of construction, local universities and enterprises should cultivate college students practice ability, thus innovating the local colleges and universities cultivate applied talents mode, so that it can not only greatly enhance college students' engineering practice ability and innovation ability, also can promote the development of local major industry technology. Local colleges and universities can also be sent to the enterprise, master experience to teach students, to improve college students and engineering related application ability, and can also from the local companies introduce practical experience is very rich technical personnel for college students on the actual engineering problems and give solutions, will organize the engineering practice problems into experimental teaching of local college students, to greatly improve college students' interest in learning. In addition, local colleges and universities should provide simple teaching methods training for technical personnel introduced by major enterprises to ensure that the knowledge explained by technical personnel can be mastered by college students.

2.3 Strengthen the construction of practical operation bases inside and outside the campus

Under the background of new engineering, local colleges and universities want to cultivate good applied talents, to the teaching platform and hardware teaching resources, such as teaching demonstration and actual operation base of teaching resources, such as local universities and mechanical engineering related professional to add some industrial robots and industrial testing equipment and

a variety of technology and equipment, so can give college students in the campus actual operation give more advanced equipment. Each major of local colleges and universities will cooperate with relevant major enterprises with high level of production technology and the most advanced equipment, so as to establish high-quality practical operation base for local university students, so as to cultivate applied technical talents for the country.

2.4 To create a sound quality assurance system and supervision mechanism for local universities

In local colleges and universities, a sound teaching quality assurance system should be established to supervise each link, which includes various factors such as the teaching objectives, teaching content, teaching quality, practical operation content and practical operation site of local colleges and universities. Local colleges and universities should also introduce highly qualified and experienced teachers and major enterprises to set up a teaching guidance committee for the management personnel of college students' internship, mainly in order to supervise whether the teaching objectives and teaching contents are truly implemented. In addition, it is necessary to regularly supervise and evaluate the theoretical knowledge and teaching quality of practical operation on campus and outside the school, and timely reflect relevant information to local universities and major enterprises, so as to form a closed-loop teaching management. Each major in local colleges and universities should also establish a reasonable evaluation mechanism, which can adopt various survey methods such as questionnaire survey and interview, so as to better conduct a real-time survey of the quality of students' internship after graduation in local colleges and universities.

Conclusion:

To sum up, in the context of today's society new engineering background, local colleges and universities is sure to realize that cultivating talents should be based on the characteristics of the new economic development as the core, to applied talents in local colleges and universities, in the process also should pay attention to timely innovation and reform training mode, thus greatly enhance the efficiency of cultivating talents. In addition, the talents trained must meet the standards of talents needed by local enterprises and the society. Only in this way can the rapid development of local economy be truly realized.

References:

- [1] Guo Wenjun, Yang Zemin, Zhang Ye'e. Research on the training mode of applied talents in local universities under the background of new engineering [J]. Software, 2020,41 (01): 102-105.
- [2] Wang Shukun, Wang Jinlong, Li Xuegang. Discussion on the training mode of applied talents in local universities under the background of new engineering [J]. College Education, 2019 (10): 20-22.
- [3] Xu Quan, Chu Kaibin, Li Haiyan. Exploration of the training mode of applied talents in local universities under the background of new engineering [J]. China Electric Power Education, 2019 (09): 68-69.

About the author:

Wenqian Zhang , female, Han nationality. Taian City, Shandong Province, 1986.02, master's degree, ,associate professor civil engineering structure