A New Path to the Development of Higher Vocational Education in Navigation from the Perspective of Precision Poverty Alleviation

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Keywords: Targeted Poverty Alleviation, Maritime Higher Vocational Education and New Development Path.

Abstract: With the development of society and economic level and the progress of science and technology, the maritime industry of our country has been told the development, and the internationalization level of navigation education promoted by economic globalization also provides an excellent opportunity for the development of navigation education in our country. The rapid progress of the shipping market is closely related to the national policy and higher vocational education of navigation. The scale of navigation education in our country is expanding continuously under the impetus of these favorable factors. Under this background, the development of navigation vocational education also needs to carry on the positive innovation unceasingly, earnestly enhances the teaching quality and the new pattern construction. In order to provide sufficient support for the steady promotion of China's navigation cause..

1. Introduction

The times are constantly developing and advancing, and mankind's exploitation and utilization of the ocean has gradually realized modernization and diversification. The major of navigation is a very strong subject with transportation engineering as the main content. The professional teaching level and quality influence the development speed of our country's navigation industry, as shown in Figure 1

![Figure 1 Shipping scale of a port in Shanghai](image)

However, in the course of practical professional teaching and education, in order to combine the actual development needs of the navigation industry and the quality requirements of the post, it is necessary to constantly make innovation in the teaching mode and reform the educational system, and constantly widen the development path of higher vocational education in navigation. On the one hand, it can provide better professional, applied and complex talents for the navigation industry. On the other hand, the state is actively advocating and popularizing the policy of precision poverty alleviation.
alleviation in order to improve the level of national production, national income and the quality of national life, and to achieve the goal of overall realization of the well-off national life. The development and continuous innovation of higher vocational education in navigation can also provide some support for the national policy of precision poverty alleviation, alleviate the demand for talents in the navigation industry, increase the employment rate of the country, and solve the employment problems and economic income problems of some poor families.

2. On the Development of Higher Vocational Education in Navigation

2.1. Development of Higher Vocational Education in Navigation

The higher vocational education of navigation in our country is mainly based on the assessment and certification rules of the seafarers of the People's Republic of China, with the help of the rapid development of the shipping market and the actual job demand, as shown in figure 2

![Figure 2 Admissions to the vocational college of navigation](image)

In order to meet the vacancy of the number of seafarers and the actual post structure in the shipping market at present, the educational curriculum construction and the path design of innovation development are carried out in order to meet the requirements of higher and higher post professional accomplishment and technical standard. At present, due to the continuous acceleration of economic construction and the continuous improvement of economic globalization, the navigation and transportation industry has developed rapidly, and its technical level and post responsibility consciousness are becoming more and more demanding, which raises more difficult problems for the curriculum construction and innovation development of higher vocational education in navigation in China, as shown in figure 3
Therefore, the higher vocational education of navigation must break through the traditional education mode and teaching concept, constantly optimize the course content and practical training, and at the same time continue to broaden the employment of students in higher vocational education of navigation, and enhance their technical level and post responsibility consciousness. The development of marine higher vocational education in our country is short, and it is also influenced by many external factors. The main training target is sailors and technical work and crew training in the coastal navigation area. With the increasing market demand, the scale and cycle of higher education of navigation profession in our country can not meet the growing market demand gradually[1].

2.2. An Overview of the Characteristics of Higher Vocational Education in Navigation

The characteristics of higher vocational education of navigation in our country are that it has higher specialty and more reasonable system setting. At the same time, the period of higher vocational education of navigation is longer, most of them are three-year system to four-year system. In addition, the software and hardware facilities of their education are also relatively weak, and the maritime faculty of the higher vocational colleges are reluctant to constitute retired teachers of the maritime colleges and the professional crew of the mid-Autumn Festival and the students of the higher vocational colleges of navigation. From this point of view, the higher vocational education of navigation in our country has higher technical characteristics and more targeted characteristics of post demand. However, there are some limitations in the acquisition of students, most of them recruit students from coastal cities.


3.1. Fewer People are Willing to Work in the Maritime Industry

At present, one of the main problems in the development of higher vocational education in navigation is that many colleges and universities can not recruit excellent students who are willing to engage in navigation industry, and can not effectively guarantee the supplement of students. The main reason for this is that there is a lack of propaganda in the navigation industry, and there is a great misunderstanding about the attraction and competitiveness of higher vocational education in navigation, especially in the navigation industry, which has a high risk of shipping posts, the general need for a long time for the crew to go to sea, and the low level of economic income, which leads to the small number of people willing to engage in the navigation industry at this stage. [2].
3.2. Impact of Relevant Domestic Policies and Regulations

The market demand is constantly changing, and the continued downturn in the international shipping market has led to a slump in the crew market. However, China's crew management regulations are not perfect to a certain extent, and the supervision and management of navigation colleges and universities is gradually strict. The higher demands are put forward on the teaching staff and facilities, which make the development of higher vocational education of navigation seriously affected. In addition, the relevant domestic regulations are updated as well as revised. The further improvement of teachers' facilities and equipment also brings great pressure to the higher education of navigation profession.

3.3. Competition For Education is Fierce

The development time of higher vocational education of navigation in our country is relatively short, and the beginning is relatively late. Although the relevant specialty and academic system setting have certain rationality, its setting content is relatively single, many colleges and universities only set up two majors of ship driving and marine engineering management, which also indicates that the subject design of higher vocational education of navigation in our country is only aimed at the training of crew and related technical personnel, and the single course setting also leads to the weakness of software and hardware facilities. The institutions of higher education do not have to pay less in terms of teachers and facilities to varying degrees. In addition, many secondary vocational schools have also offered nautical education courses, which makes the higher vocational education of navigation more competitive in our country, especially among the same level of colleges and universities. [3].

4. A Strategic Study on the New Development Path of Higher Vocational Education in Navigation under Precision Poverty Alleviation

4.1. Enhancing the Attractiveness and Competitiveness of Vocational Maritime Education in Combining Precision Poverty Alleviation Policies

The development of higher vocational education for navigation under precision poverty alleviation should first of all be combined with the current development situation and actual needs of China's shipping market, and actively expand the enrollment scale, strengthen the propaganda of higher vocational education for navigation, combine with the policy of precision poverty alleviation, actively coordinate with the government departments of various poverty-stricken areas, and continuously expand the enrollment area, especially for poor areas and poor families, and reduce the enrollment standards.

4.2. To Optimize and Innovate the Training Mode of Higher Vocational Education in Navigation

The effective teaching mode and the personnel training mode are the guarantee of the higher vocational education level and the educational effect of navigation, and also the effective way to enhance the competitiveness of higher vocational colleges. Therefore, it is necessary for the relevant vocational colleges and universities to actively innovate the training mode of personnel education, enhance their technical level, increase the diversified design and technical development of disciplines reasonably, increase the multi-disciplinary and multi-professional training platform, and make the students expand their employment in the future, so that they can adapt to and meet the needs of more posts in shipping.[4].

In addition, the new development of higher vocational education in navigation must actively cultivate a team of double-qualified teachers with high-level and high-quality professional skills. In order to improve the students' comprehensive technical level and professional accomplishment and meet the needs of the various nautical posts, teachers' theoretical knowledge and practical experience are constantly strengthened[5].
4.3. Strengthening the Replenishment of Students and Realizing the Utilization Level of Regional Educational Resources

In order to improve the competitiveness of higher vocational education and improve the overall quality of education, we should further optimize the resources of marine education and share the risks of investment. We should constantly improve educational facilities, educational equipment and school bus resources, strengthen the construction of joint training mode between schools and enterprises, so that students can truly enter into practical posts, accumulate practical experience, make full use of regional educational resources, and provide strong support for the cultivation of outstanding nautical talents who meet the needs of the actual market [6].

5. Conclusion

Considering the domestic and foreign economic situation, relevant laws and regulations, and the policy of precision poverty alleviation, the higher vocational education of navigation in our country has been constantly adjusted and innovated in the teaching concept and mode of education, and through the effective utilization of educational mode and actual teaching resources, the attraction and market competitiveness of vocational education of navigation are continuously enhanced. In order to respond to the call of the national policy of precision poverty alleviation and to optimize the quantity and quality of seafarers' structure and the actual development planning needs, we should grasp and understand the standards of mariners' posts in the maritime industry in an all-round way and ensure the innovation and development of mariners' higher education through joint efforts.

Acknowledgements

2019 Jiangsu Province Department of Education, Jiangsu Province Vocational College Teachers Professional Leaders high-end Research Project (project number 20190617 ;) 2019 Jiangsu Provincial Department of Education, Jiangsu University Qinglan project Principal investigator, (project No. 20190304)

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