

# Research on the Construction Scheme of Jiangsu Navigational Vocational Education Group

Shukui Zhang<sup>a</sup>, Jianxia Wan<sup>b</sup>

Navigational college Jiangsu Maritime Institute, Nanjing 211170, China.

<sup>a</sup>zhangshkfy@163.com, <sup>b</sup>33306238@qq.com

**Abstract.** Group-based school running is an inevitable trend of China's future education development. This paper has carried out in-depth research on the proposed construction plan of Jiangsu Navigation Vocational Education Group, and discussed the group's guiding ideology, school mission, operational mechanism system, main functions and development goals, etc. The construction of plan has laid a good foundation for the future development of Jiangsu Navigation Vocational Education Group, and provided a theoretical reference for the running of other education groups.

**Keywords:** Education group; school purpose; board; function.

## 1. Introduction

The Vocational Education Group first occurred in India and has since been developed and improved in developed countries in Europe and America. With the implementation of China's reform and opening up policy, this education model of education group has gradually developed in China and has produced good results. The State Council and the competent education authorities have repeatedly stated that they encourage the establishment of different types of vocational education groups with different types of vocational institutions, between institutions and industries. It can be seen that group-run school is an inevitable trend of China's future education development.

With the implementation of the National "Belt and Road" initiative and the marine development strategy, cultivating high-quality maritime professionals with international competitiveness has become the direction of the reform and development of maritime vocational education. China's existing maritime talent training system no longer adapts to the implementation of the strategy of maritime power and the rapid development of maritime science and technology. Therefore, how to comprehensively improve the quality of maritime education and cultivate high-quality maritime professionals who are suitable for the needs of national economic and social development and have international competitiveness are issues that must be considered by the state and maritime education practitioners. The establishment of the maritime vocational education group has opened another door for the exploration of the new mode of maritime vocational education in China.

In October 2017, Jiangsu Maritime Institute formed the Jiangsu Maritime Vocational Education Group in cooperation with the government, shipping companies and other schools in accordance with the spirit of the relevant documents of the Ministry of Education, the Ministry of Communications and the Jiangsu Provincial Department of Education. The establishment of educational groups provides a useful exploration for maritime vocational education.

## 2. Education Group's Construction Plan

### 2.1 The Guiding Ideology of the Education Group

The purpose of vocational education is to improve the quality of personnel training, deepen the integration of production and education, and thus achieve complementary advantages, resource sharing and common development. Based on Jiangsu Maritime Institute, Jiangsu Navigation Vocational Education Group will be established to promote all-round cooperation among all members of the Group, to achieve resource sharing and complementary advantages, thereby improving the quality of running schools and expanding the influence of running schools.

## **2.2 Education Group's Mission**

In order to serve the strategy of maritime power and the “One Belt, One Road” initiative, under the guidance of the State Maritime Safety Administration, Jiangsu Maritime Institute and shipping companies, related industries and vocational colleges jointly set up an education group. The Education Group is a non-independent legal person organization formed on the basis of voluntary and collaborative development based on the integration of industry, education and research, and the “interest chain” of relevant parties.

Guided by market demand and aiming at improving the quality of personnel training, with the principle of “complementary advantages, resource sharing and common development”, the education group can improve the quality of running schools and expand the influence of running schools, thus creating a brand suitable for China's maritime vocational education group.

## **2.3 Composition and Formation Principles of Group Members**

Jiangsu Maritime Vocational Education Group consists of Jiangsu Maritime Vocational and Technical College, Jiangsu Maritime Safety Administration, shipping enterprises, shipbuilding enterprises, ship electrical enterprises, port and shipping enterprises, etc.

According to the nature, purpose and development of the group, in the future work, the Education Group will strictly abide by the following principles:

(1) The principle of voluntary participation. As long as the charter of the group is recognized, all relevant units may voluntarily join or voluntarily withdraw.

(2) The principle of mutual equality. All members' rights and obligations within the group are equal.

(3) The principle of mutual benefit. Group establishes a mutually beneficial and mutually beneficial mechanism to maximize the benefits of member units.

(4) The principle of independence. The original management system, subordinates, economic independent accounting, personnel relations, etc. of all member units are unchanged, self-sponsored and operated.

(5) Self-discipline principle. All member units within the group are subject to national laws and regulations and group charters and disciplines.

## **2.4 Rights and Obligations of Members of the Education Group**

All members who join the education group, regardless of size or unit nature, shall enjoy the following rights equally and shall also bear corresponding obligations.

(1) The rights of the members of the group

(a) It has the right to vote, to be elected and to vote according to the Articles of Association;

(b) It enjoys the right to make comments, suggestions and discussions on major issues such as the revision of the Articles of Association and the Group's development plan, and enjoy the right to supervise the work of the Group;

(c) It enjoys the right to use the various resources within the group and the rights to participate in the activities of the group;

(d) It can participate in the group's board meeting and consider related matters.

(2) Group member's obligations

(a) It must be compliance with the Articles of Association and agreements between the members of the group;

(b) It must participate in the necessary activities organized by the group, implement relevant resolutions of the group, and provide necessary support for the development of the group activities;

(c) It must be complete all necessary tasks assigned by the group;

(d) Units collaborate with each other to consciously safeguard the reputation and legal rights of the group.

## **2.5 The Main Functions of the Education Group**

(1) Professional construction: Group establishes professional construction steering committee composed of maritime vocational education experts, shipping enterprise personnel and industry technical professionals, etc., and guides navigation professional setting, formulates shipping talent training program, reforms maritime education and teaching, develops nautical curriculum and applicants it within the group.

(2) Teacher training: group should explores the mutual circulation mechanism of human resources in various units within the group, the mechanism of rotation and exchange of key teachers and managers among educational units, the mechanism of professional teachers and professional technicians between schools and enterprises work together in order to strengthen the work of professional and technical personnel as part-time teachers.

(3) Talent training: The Group explores mechanisms for joint recruitment, student exchange, and mutual recognition of credits, segmentation training, and flexible credit system among internal education units; The Group explores the joint enrollment between schools and enterprises and the modern apprenticeship reform, and jointly promotes new models of project-based teaching, case teaching, and work-oriented teaching; The Group strengthened the supervision of work-study integration and post-internship between schools and enterprises, and established and improved the student internship liability insurance system; The group reforms and perfects the teaching evaluation system, develops skill competitions, and actively promotes the “double certificate” system for academic certificates and professional qualification certificates; The Group strengthens the education and teaching activities that are fully integrated in training, and truly improves students' practical work ability.

(4) Construction of training base: Group builds a new model of open internship and training base. The Group utilizes its internal superior resources to build an open training base, explores the establishment of an open technical skills training base, and truly realizes the new system and mechanism for the joint construction of talents in the “factory middle school” and “school middle school”.

(5) Technical cooperation: The Group promotes the cooperation mode of internal science and technology projects between schools and enterprises to enhance the ability of technical cooperation. Focusing on the major needs of maritime talents in Jiangsu Province, the Group focuses on solving key technical problems in the development of navigation, shipbuilding and shipping, thus breaking down barriers between disciplines and schools, integrating the superior resources of various units, and bringing together excellent talent. Guided by social needs and based on mutual benefit and reciprocity, the Group unites government, enterprises, institutions and other scientific and technological projects to truly realize the integration of production, education and research.

(6) Social service: Taking Jiangsu Maritime Institute as the main body, the group will build an education network covering Jiangsu and well-equipped services based on crew training, and provide support for the training of shipping enterprises. Relying on internal maritime institutions, the Group cultivates multi-level and wide-ranging professionals. The Group established an internal enterprise priority selection graduate system, fully utilized the role of the Group's website, timely grasped the needs of corporate talents, and promoted more outstanding graduates to engage in navigation work.

(7) International exchange: The Group uses technology research and development, technology exchanges and talent flow as a platform to carry out targeted cooperation at home and abroad; Through the introduction of technology, high-end talent introduction, and scholarly programs, the Group has established a platform for in-depth cooperation at home and abroad; Through international cooperation, the Group conducts international academic exchanges, cooperative education, vocational training, etc.

## **2.6 Education Group's Development Goals**

The Group has initially formed a vocational education group with characteristics, scale, obvious effects and wide influence. Through the carrier of the Vocational Education Group, the Group strives for the support of the Jiangsu Provincial Department of Education and gives full play to the

government's overall planning, comprehensive coordination, policy support and supervision and management of vocational education group management. Internally, the group develops modern apprenticeships according to the characteristics of the school profession. The Group works closely with all members to work together to establish and improve internal governance structures and decision-making mechanisms, enhance internal gathering capabilities, and promote deep cooperation and collaborative development among members. The Group explored the construction of internal property rights system and benefits sharing mechanism, and carried out joint-stock and mixed-ownership pilots, striving to build the maritime vocational education group into a national leading role-oriented backbone vocational education group by 2020.

### **3. Summary**

The construction of Jiangsu Maritime Vocational Education Group has explored a new development path for China's current maritime vocational education. Its development process can provide an effective reference for the reform of the national maritime vocational education model. However, due to the short time of maritime vocational education in our country, the construction plan of the education group needs to be continuously improved and developed in the future practice.

### **References**

- [1]. Wang Wenzhao. What is Vocational Education Group (Review of Literature) [J]. Vocational and Technical Education of China, 2016(6). P.12-16.
- [2]. Wan Pengjun. Mechanism and Strategy--Analysis of Successful Management Factors of Education Group [J]. National Education Administration, 2015(5). P.24-27.
- [3]. Yu Jianwei. Development Model and Operation Mechanism of Education Group [J]. Higher Education Research, 2014(5). P.10.13.
- [4]. Zhu Lin. Research on the Formation and Operation Mechanism of Vocational Education Group [J]. Education and Occupation, 2012(18). P.121-124.
- [5]. Dong Xiuhua. Analysis of the Development and Operation of Education Groups at Home and Abroad [J]. Open Education Research, 2017(2). P.73-76.
- [6]. Wang Wei. On the Conception and Road Choice of Education Group Model [J]. Journal of Educational Development, 2016(6). P.56-58.