PRACTICE IN THE CONSTRUCTION OF INTELLIGENT CONSTRUCTION AND MANAGEMENT PROFESSIONAL GROUP

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ABSTRACT

With the launch of the "Double High Plan" in vocational education, the construction of professional groups will play an increasingly important role in the high-quality development of vocational education. Under policy guidance and demand driven, China has made significant progress in the construction of vocational professional groups, but there are still some cognitive biases at present. Professional groups have the characteristics of education, professionalism, collaboration, openness, and systematicity. The six construction tasks of professional groups should be clarified from two dimensions of teaching organization and management mode, and the construction of high-level professional groups should be systematically promoted.

KEYWORDS: Intelligent Construction; Professional Group; Construction

There are a total of these 5 majors in the professional group, which are the core majors in the construction industry and also the 5 majors with the highest demand for talent in the construction industry in our city. On the first page of the application for the city level characteristic professional group, it is required to fill in 5 basic information of the professional group. As a dual university, the latter four items can be easily achieved. However, the national teaching resource library only has the intelligent construction and management professional group, which is the only 5 indicators that our school meets and is estimated to be the only one in the city.

Next, let's talk about the construction plan. The quality of professional group training is leading in the province, with a minimum score of 487 and a maximum score of 559 for general high school enrollment in the province. It is the highest in the whole school and should also be the highest in the city's vocational colleges. We have exemption quotas for state-owned enterprises every year, not just ordinary state-owned enterprises, but also the largest construction state-owned enterprise in Zhejiang Province, Construction Engineering Group. Next, Zhejiang Third Construction Company and several construction state-owned enterprises in Wenzhou will also sign exemption quotas with us. They believe that the students we cultivate are useful and practical. There are already 6 doctoral candidates in the professional group, including 2 undergraduate and graduate students from Tsinghua University, known as Tsinghua PhD. We have 16 senior engineers and teachers with rich practical

experience. They have served as experts in the municipal or above expert pool for over 100 times, providing advice and intellectual support for the construction industry in Zhejiang Province, especially Wenzhou City. At the beginning of the year, I just came to work in the Department of Architecture and Engineering, and proposed that teaching, educating people, and serving society are the responsibilities of all teachers in our Department of Architecture and Engineering. This year, these three data on service capabilities are very impressive, and next year, they will be even better.

In his 2019 New Year's Day congratulatory speech, Xi Jinping stated that China's construction, creation, and manufacturing will work together to continue to change the face of China. Unfortunately, the overall development of the construction industry is relatively lagging behind. After working on the engineering front line for ten years, I deeply feel that the overall competitiveness of Wenzhou's construction industry is not strong, and there is a serious outflow of locally trained construction talents. There is no well-known construction enterprise in Wenzhou, and often it requires municipal policy protection to win the bid for Wenzhou's projects, so that taxes do not flow out. Wenzhou's construction enterprises are rare and difficult to compete with other cities, and cannot compare with Hangzhou, Ningbo, Jinhua, and Shaoxing. The inability to attract talents is one reason, and more importantly, the construction talents trained in the city are almost impossible to retain. The retention rate of the School of Architecture and Engineering at Wenzhou University is only over 20%, which can only be barely supported by our annual retention rate of over 65%. Therefore, many construction enterprises in Wenzhou are students of the Department of Architecture and Engineering at Wenzhou Vocational College, and almost all high-end real estate planning talents in Wenzhou are students of Wenzhou Vocational College.

Let's talk about the group logic. The construction industry has always been a pillar industry in China, and Zhejiang Province has always maintained the second largest construction volume in the country, with a contribution rate of around 10% to GDP. The professional group responds to the national strategy, especially Wenzhou's large-scale and exquisite construction, and the central area requires a large number of construction talents for the first time; The 5 majors we set correspond to the entire life cycle of buildings, with a common technical foundation among them, shared training bases, shared teaching resources, shared teaching teams, and mutual integration. We are based on the modernization and upgrading of the construction industry, with a clear positioning for talent cultivation. Each of our majors is related to intelligent construction technology, and we do not add intelligent construction technology to every major in order to make this group appear very close.

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