

# Focus on the “Green Valley Craftsman” project to create high-quality “Green Valley craftsman” to serve the economic and social development of Lishui in the new era

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**Abstract:** With the development of economy and society, there is an increasing demand for high-quality and skilled talents in all walks of life. As a part of the vocational education reform in the new era, Green Valley Artisan Project aims to train a group of highly skilled and high-quality artisan talents to meet the needs of modern industrial development. With the theme of “Focusing on ‘Green Valley Craftsman’ project to create high-quality services for Lishui’s economic and social development in the new era”, this paper combined with the characteristics and practice of Green Valley Craftsman project, and discussed the design and implementation of skill talent training program for Green Valley craftsman, research on innovative talent training mode, formulation of effective incentive mechanism and innovation of training and cultivation operation mechanism. In order to provide reference for promoting vocational education reform and promoting local economic and social development.

**Key words:** Green Valley artisan engineering, vocational education, highly skilled personnel, training program, incentive mechanism, training and cultivation mechanism

## 1. Introduction

With the advent of the new era, more and more attention has been paid to vocational education. As one of the main ways to train highly skilled talents, vocational education plays an irreplaceable role in promoting local economic and social development. Lishui City, as one of the less developed areas in Zhejiang Province, vocational education faces many challenges and opportunities. The Green Valley Artisan Project, as an important measure in Lishui’s vocational education reform, aims to cultivate a group of skilled and high-quality artisan talents to improve the quality and level of local industrial development. This paper will focus on the design and implementation of the skill talent training program of Green Valley artisan project, the research of innovative talent training mode, the formulation of effective incentive mechanism and the innovation of training and cultivation operation mechanism, so as to provide references for promoting the reform of vocational education and promoting local economic and social development.

## 2. Design and implementation of skill talent training program for Green Valley Artisan Project

### 2.1 Determination of training objectives

The main goal of Green Valley Artisan Project is to train a group of high-quality and highly skilled artisan talents to meet the needs of modern industrial development. Vocational colleges, as the main positions of front-line talent training, bear the important responsibility of training “green Valley artisans”. Specifically, when determining the training objectives, vocational colleges need to fully consider the actual needs of local economic development, combine the different requirements for talent quality and skills in different industrial fields, and determine the training objectives of different levels and different professions. In this regard, schools need to deepen the integration of production and education, give full play to the advantages of school-enterprise cooperation, go deep into local industries and enterprises, master the local development trend and its ability requirements for talents, and provide reliable reference for the determination of talent training objectives. In other words, taking employability as the guide and combining different professional characteristics, it defines the training goals of high-quality, high-skill and all-round growth of talents, so that students’ ability and accomplishment can truly meet the local talent needs and effectively improve their post competency and vocational competitiveness.

### 2.2 Curriculum design and teaching mode design

On the basis of determining the training objectives, it is necessary to design the corresponding curriculum and teaching mode to ensure that the cultivated artisans have relevant skills and qualities. Specifically, under the background of the implementation of the “Green Valley Craftsman” project, it is necessary to cultivate craftsman talents with solid theoretical knowledge foundation, skilled professional and technical skills as well as strong ideological level and professional quality. In this regard, the curriculum system of vocational colleges should also be set from these directions, follow the principle of gradual progress, and design a curriculum system including theoretical courses, practical courses and practical training, especially focusing on cultivating students’ practical skills and practical ability. First, for theoretical courses, in addition to professional basic theoretical courses, public theoretical courses should also be included, covering the cultivation of students’ basic literacy, ideological and political education, innovation and entrepreneurship education, employment guidance and other aspects, aiming at implementing the requirements of quality education and comprehensively cultivating students’ all-round ability and literacy of morality, intelligence, physical fitness, the United States and labor. So that they can basically meet the requirements of talents in the new era in terms of ideology and accomplishment. Second, for practical courses, mainly around the core professional ability of students to set up corresponding practical projects and training content. In the specific setting of practical courses, cooperative enterprises can be invited to participate, relying on the resources of the enterprise, the real projects of the enterprise can be introduced into the practical

content, enhance the authenticity of practical training, create a practical situation close to the actual position for students, and then improve the practical teaching effect, aiming at improving the professional practice ability and professional accomplishment of students. Third, for the practice and training, students mainly carry out on-the-job internship in the counterpart enterprises, through the actual participation in the work flow of relevant positions in the enterprises, exercise students' professional skills, and promote the all-round growth of students' professionalism, communication ability, cooperation ability and other aspects. It is worth noting that in the practice training, the school also needs to strengthen the cooperation with enterprises, so that enterprises can provide suitable internship positions for students, strengthen the communication with enterprise mentors, and jointly guide and evaluate students with enterprise mentors, in order to ensure the internship effect of students.

In addition, teachers can also make use of modern information means and big data technology to conduct comprehensive and scientific analysis of students' learning situation and learning effect, and conduct objective evaluation of students accordingly, which can not only help students better understand themselves and promote their iteration and improvement, but also provide reliable reference for teachers' subsequent teaching mode and teaching content reform.

### 2.3 Construction of teacher training team

Training teachers is one of the key factors for the successful implementation of Green Valley Artisan Project. To this end, it is necessary to pay attention to the construction of training teachers, select and train excellent teachers with relevant professional knowledge and teaching experience, and improve their teaching ability and level. At the same time, it is necessary to establish and improve the assessment mechanism and incentive mechanism of training teachers, so as to ensure the teaching quality and teaching effect. To be specific, first, under the background of the "Green Valley Craftsman" project, in order to strengthen the effective training of students' practical ability and effectively cultivate craftsman talents, it is necessary to speed up the construction of a "double-skilled" teacher team. In this regard, first of all, schools can carry out in-school and out-of-school training for teachers of various specialties. On campus, schools can carry out training on advanced teaching modes, teaching methods, educational ideas and advanced technologies and concepts in related industries, so as to improve the overall teaching ability of teachers. In addition, the school can also invite outstanding artisans or researchers in related fields to proofread teachers for professional knowledge and skills training, further improve teachers' professional skills and promote the cultivation of "double-qualified" teachers. Outside the school, the school can cooperate with enterprises to provide teachers with opportunities for industry-university-research project research and development, so that teachers can go deep into the enterprise, truly experience the job needs of the enterprise, learn advanced professional technologies and working concepts, improve their job skills, learn from each other, promote the improvement of teachers' professional practice ability, make teachers achieve the "double teacher" teacher standard, and further improve the practical teaching level. Secondly, the school can also invite enterprise experts or artisans to work as part-time teachers in the school to provide students with more professional practical guidance, share practical experience, and invite them to participate in the scientific research work in the school, further optimize the structure of teachers, form a "double teacher" team, and improve the level of professional personnel training.

Second, the school should further improve the teacher incentive system according to the needs of the "Green Valley Artisans" project for teachers. First of all, corresponding assessment standards and mechanisms should be set according to teachers' ability level. In addition to the assessment of teachers' basic teaching ability, teaching effect and teaching research results, teachers' professional practice ability, ethics and training results should also be included in the assessment standards. According to the assessment results of teachers, a corresponding reward and punishment system should be further set up, such as the corresponding performance bonus, promotion opportunities, learning opportunities and other rewards for teachers with excellent assessment, and be reported and praised; The teachers who fail to meet the assessment standards will be punished accordingly, such as re-participating in training, deducting bonuses and so on. In this way. Form an incentive effect on the professional development of teachers, urge teachers to become high-quality and strong teachers who meet the needs of the "Green Valley Craftsman" project, and improve the overall level of the school's teaching staff.

### 2.4 Construction of practice training and practice base

Practice training and practice base is an important part of Green Valley craftsman project, and also one of the key factors to ensure the training effect of craftsman talents. Therefore, it is necessary to increase the investment in the practice training and practice base, establish and improve the management mechanism and quality evaluation system of the practice training and practice base, ensure that students can master relevant skills and knowledge in the actual operation, and improve their practical ability and practical ability.

In this process, schools should give full play to the advantages of school-enterprise cooperation, and on the basis of their own educational resources, fully tap enterprise resources, so that enterprises can participate in the construction of internship training and practice base, and provide support for the construction of the base, such as construction funds, equipment and practical guidance personnel. Assist the school to create a practical training environment that is highly close to the actual position, build a practical training and practice base with sufficient hardware, high-quality teachers and rich project resources, provide a high-quality platform for students to carry out practical activities such as internship and training, innovation and entrepreneurship activities, so as to improve the quality and level of practical training teaching and promote the cultivation of students' practical ability and innovation and entrepreneurship ability. To meet the requirements of talent training under the "Green Valley Craftsman" project. Based on this, vocational schools should establish in-depth cooperative relations with local enterprises, strengthen communication and contact with enterprises, obtain the advanced technology, concept and equipment of the industry through enterprises in a timely manner, and update and adjust the practical training teaching and course content according to the new developments of the industry.

### 3. Research on innovative talent training model of Green Valley Artisan Engineering

#### 3.1 Establish the integration mechanism of production and education

The innovative talent training mode of Green Valley Artisan Project needs to give full play to the advantages of the integration of production and education, and strengthen the construction of the integration mechanism. To this end, it is necessary to actively establish contacts with local enterprises and industrial fields, deeply understand the needs and trends of industrial development, conduct regular industry analysis and research, and timely adjust the curriculum and teaching content to ensure that the cultivated artisan talents meet the needs of the industry.

#### 3.2 Innovate the practical teaching model

Practical teaching is an important part of Green Valley craftsman project and one of the key links to train high-quality craftsman talents. To this end, it is necessary to innovate the practical teaching mode and adopt advanced educational technology means, such as virtual simulation and intelligent manufacturing, to improve students' practical skills and practical ability. At the same time, it is necessary to strengthen the practicability and pertinence of practical teaching, fully consider the actual needs and trends of industrial development, and ensure that practical teaching is closely integrated with industrial development.

#### 3.3 Establish an innovation and entrepreneurship platform

Innovation and entrepreneurship is one of the important directions of current social development, and it is also one of the important ways to cultivate artisans with innovative spirit and entrepreneurial ability. To this end, it is necessary to establish an innovation and entrepreneurship platform, provide knowledge and skills training on innovation and entrepreneurship, build an innovation and entrepreneurship exchange platform, attract students with innovation awareness and entrepreneurial ability to actively participate in innovation and entrepreneurship activities, and promote the improvement of students' innovation and entrepreneurial ability.

### 4. Innovation of the operation mechanism of Green Valley Artisan Project

#### 4.1 Improve the group training ability

In order to improve the ability and level of group vocational education training in this city, it is necessary to strengthen the construction of group training institutions and teachers, strengthen the sharing of educational resources and complementary advantages, and realize the optimal allocation and efficient use of educational resources.

#### 4.2 Strengthen industrial orientation

In order to better serve industrial development, it is necessary to strengthen the industrial orientation of Green Valley Artisan engineering, timely adjust the curriculum and teaching content, and ensure that the cultivated artisan talents meet the needs and trends of the industry, and make positive contributions to local economic and social development.

### 5. Conclusions

To sum up, the successful implementation of Green Valley Craftsman project can not only provide a steady stream of high-quality craftsman talents for the city's economic and social development, but also promote the development of the city's vocational education group construction, and inject new vitality and impetus into the city's economic and social development.

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