

A Study on the Approaches to the Cultivation of Students' Innovative Ability in Higher Vocational Colleges under the Second Classroom Report Card System

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Keywords: Social Practice, Second Classroom, Report Card System, Innovation Ability, Higher Vocational Colleges

Abstract: the Report of the 19th National Congress Puts Forward the Main Strategic Guidelines for Building an Innovative Country. he Pointed out That from 2020 to 2035, We Will Take Building a Moderately Prosperous Society in an All-Round Way as the Foundation, Strive for 15 Years, and Basically Realize Socialist Modernization. Before That, China's Economic Strength and Scientific and Technological Strength Rose Sharply, and It Was in the Forefront of an Innovative Country. in 2018, the Central Committee of the Communist Youth League and the Ministry of Education Issued the Opinions on the Implementation of the “Second Classroom Report Card” System of the Communist Youth League in Colleges and Universities, Which Clarified the Guiding Ideology of the Implementation of the Second Classroom Report Card System of the Communist Youth League, Established the Basic Principles of “Adhering to Integrating into the Overall Situation of Talent Training, Adhering to Serving the Development Needs of Students”, and Adhering to the Important Part of the Comprehensive Reform of the Three Universities as the Communist Party the Implementation of the Second Classroom Report Card of the League. the Second Classroom Can Be Said to Be the Central Work of Educational Universities and University People. That's a Useful Addition to Traditional Classroom Teaching. It is an Important Method to Improve Students' Innovation Ability, Quality and Overall Development. the Introduction Background and Current Situation of the Textbook System of the Second Academic Year in Colleges and Universities, and the Analysis of the Cultivation of Students' Innovative Ability, Explore the Relationship between Them, So as to Think about the Cultivation Way of Students' Innovative Ability under the Second Classroom Report Card System.

1. Introduction

The Report of the 19th National Congress Puts Forward the Main Strategic Policies for Building an Innovative Country. he Pointed out That from 2020 to 2035, We Will Take Building a Moderately Prosperous Society in an All-Round Way as the Foundation, Strive for 15 Years, and Basically Realize Socialist Modernization. Before That, China's Economic Strength and Scientific and Technological Strength Rose Sharply, and It Was in the Forefront of an Innovative Country. the 2018 Government Report Pointed out That We Should Accelerate the Construction of an Innovative Country. Grasp the New Round of Scientific and Technological Revolution and Industrial Transformation in the World, Deepen the Implementation of Innovation Oriented Development Strategy, and Continue to Enhance Economic Innovation and Competitiveness. Actors Are the Key to Building an Innovative Country. Higher Vocational Education is to Cultivate an Important Work Load for the Application-Oriented Ability of the Country's First-Line Technology [1]. It is the Cradle of Cultivating High Quality Innovative Talents. the Only Development of Innovative Education Focuses on the Improvement of the Innovative Ability of Vocational College Students to Support and Develop in an All-Round Way. Innovative Talents Can Meet the Needs of Social and Economic Development and Provide Strategic Objectives for the Construction of an Effective Country [2]. in 2018, the Communist Youth League and the Central Committee of the Ministry of Culture and Culture of the People's Republic of China Established the Principle of “Comprehensive

Talent Training”, and Announced the “Communist Youth League System” as “the System of University and University Communist Youth League”. Adhering to the Basic Principle of Meeting the Development Needs of Students Requires All Universities and Colleges to Implement the Second Transcription System of the Communist Youth League as an Important Part of the “Three Round Education” Comprehensive Reform. the Second Classroom Can Be Said to Be the Central Work of Educational Universities and University People. That's a Useful Addition to Traditional Classroom Teaching. It is an Important Method to Improve Students' Innovation Ability, Quality and Overall Development [3]. the Introduction Background and Current Situation of the Textbook System of the Second Academic Year in Colleges and Universities, as Well as the Analysis of the Cultivation of Students' Innovation Ability, Have Explored Their Mutual Relations, and Compared the Reflection of the Cultivation of Students' Innovation Ability in Higher Vocational Schools under the Second Classroom Report Card System [4].

2. Higher Vocational Colleges Comprehensively Implement the Second Class Report Card System

In 2016, the Communist Youth League and the Central Committee of the Ministry of culture and culture of the people's Republic of China proposed the “implementation plan for the reform of universities and the Communist Youth League of universities”. With a view to the comprehensive goal of continuously improving the development of higher education and the growth ability of students, the reform of universities and the League of the Communist Youth League has begun. The Central Committee of the Communist Youth League proposed that we should constantly reform and innovate the ways and methods of the work of the Communist Youth League and improve the service system for student development [5]. In this process, on the subject of reform, the second transcription system of the Communist Youth League of university is implemented as an innovative working method. At present, in terms of knowledge structure and ability structure, there is a big gap between college students and university students, with insufficient theoretical knowledge, weak professional basic knowledge and obvious weak learning ability. On the other hand, college students are aware of this gap and know the urgency of employment and competitive pressures. They pay more attention to develop their professional skills and innovation awareness. Therefore, the transcription system of the second class of the specialized colleges and universities fully follows the students' Book fragrance and Denis in order to guide, work post, entrepreneurship, innovation and practice, scientific design, innovation and creativity, project encapsulation, and objective record of the needs for coping with the sealing [6]. Participation in activities and quantitative scoring are of great significance to improve students' enthusiasm, increase participation, enhance sense of gain, enhance their ability and improve their overall quality. New ability is an indispensable skill for modern college students. This is a process of using professional knowledge to find problems, analyze problems, solve learning and practice problems. It is the ability to break the inertia of thinking, explore and create valuable new things. Colleges and universities will also undertake the important task of “cultivating high-quality talents for production, service and management, and contributing to local economic development”. Not only that, it is beneficial to cultivate the professional talents with innovative consciousness, innovative ability and overall quality. The centralized development of colleges and universities can play an active role in industrial innovation and development, social and economic development and the realization of the strategic goal of an innovative country [7]. Therefore, enriching educational resources to cultivate higher level innovative talents has become the focus of higher vocational education reform. At present, colleges and universities recognize the importance of cultivating students' innovation ability, comprehensively promote the talent training objectives of the combination of production, learning and research, school enterprise cooperation and labor research, and build the concept of innovation education. In the trend of higher vocational education reform, colleges and universities will take a series of measures to continuously innovate the guiding concept of talent training and explore the training and evaluation mechanism based on the ability of innovative talents [8]. In terms of the purpose, construction, experts, curriculum construction of education and personnel training, as well

as the cultivation of innovative talents with innovative ability and professional and industrial needs, the concept of staff reform is proposed.

Table 1 Description of The Definition of Competency by Different Schools

Main points of view	Representative Scholar	Definition Description
Characteristic View	McClelland	Competency refers to the ability to distinguish the individual characteristics of a particular T-job with excellent performance from that of a share holder.
	Bowaz	Competence does not refer to knowledge and skills in a general sense, but to the use of knowledge and skills in a particular job.
Behavior View	Sandberg	Competence is the synthesis of all the characteristics related to knowledge, technology, competence and high performance in work.
	Mirabir	Competence is the synthesis of all the characteristics related to knowledge, technology, competence and high performance in work.
Comprehensive View	Biham	Competence is all work-related behaviors, such as knowledge, motivation, etc.
	Radford	Competency is the knowledge, skills and behavioral traits that individuals possess to produce excellent performance, which are verifiable traits.

3. Improve and Enhance Students' Innovation Ability and Consciousness

The cultivation of innovation ability is not a closed door process, but a process that requires students to go deep into the front line of social practice, innovation and entrepreneurship practice, professional skills competition, cultural and sports activities, school work and other practical activities, receive information, experience and improve the ability to solve problems. In this process, the overall design, professional characteristics and nature of the activities that students participate in are very important. The Communist Youth League of higher vocational colleges, as the organization with the closest contact with young students and the widest organization coverage, can be said to be the most able to understand the pulse of young students. Therefore, in the context of the implementation of the second classroom report card system, the Communist Youth League of Higher Vocational Colleges and relevant functional departments have taken the lead in planning all kinds of activities popular with young students, such as campus cultural activities with ideological and educational characteristics, high-level skill competitions held by authoritative departments, and entrepreneurial practices that can achieve the transformation of achievements. These activities take full account of the needs of young people's all-round growth in the overall design. They are all important platforms and carriers to enhance students' innovation awareness and ability. The higher vocational colleges in which the author works attach great importance to the cultivation of innovative talents through skill competitions, and organize students to actively participate in more than 20 provincial and national skill competitions. In the process of participating in the competition, students not only gain professional knowledge, exercise practical ability, but also train innovative thinking and improve innovative ability [9]. Under the guidance of professional teachers, one student of the school learned computer professional knowledge from “3 + 2” power plant and power system specialty, and was keen to participate in various professional training and activities of computer specialty. Finally, he participated in the world skills competition Hubei Province network system management competition, competed with hundreds of athletes from science and technology classes, and achieved great world skills The second prize and the final of the Hubei Provincial trials ranked fifth. In the process of learning in this major, the awareness of cross-border learning has been generated. After being put into action, it has also won the award of the world skills competition, which is the concrete embodiment of the improvement of students' innovation ability. In the opinions on the implementation of the “second classroom report card” system of the Communist Youth League in Colleges and universities issued by the Central Committee of the Communist Youth League and the Ministry of education, it is clearly pointed out that the “second classroom report card” system of the Communist Youth League overall designs the work content,

project supply, evaluation mechanism and operation mode of the Communist Youth League in Colleges and universities, so as to realize the ideological and political guidance, quality expansion and improvement, and social practice forging of the implementation of the Communist Youth League. The second classroom activities, such as refining, voluntary service, public welfare and self-management service, are scientific, systematic, institutionalized and standardized, so as to realize a set of work system and work system that college students can record, evaluate, measure and present when they participate in the second classroom of the Communist Youth League. The second course report card system starts from the time when the freshmen enter the University. When the students spend three years in the University, the system automatically generates personalized “second class report card” after graduation, which shows the specific situation of the students participating in the second class activities during the school period, and issues a second class evaluation report as an important basis to evaluate and measure the comprehensive quality and development of the students during the school period. According to the specific operation of different schools, the second class credits can also be included in elective courses or even compulsory courses. In some schools, students' scores in innovation and entrepreneurship and skills competition are converted into their scores in innovation and entrepreneurship practice. Students who have made outstanding achievements in innovation and entrepreneurship, cultural activities and social work in the second classroom are included in the credits, and also serve as an important reference for employment units to select and employ people. All of the above policies can greatly encourage the students' enthusiasm for participation and stimulate their awareness of innovation. In the process of participating in the second class activities, some students have increased their knowledge, management skills and professional skills, gained basic contacts and resources, and greatly enhanced their competitiveness in employment and the success rate of entrepreneurship.

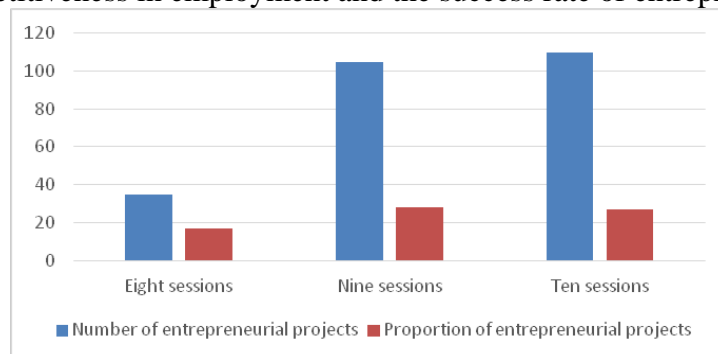


Fig.1 The Number and Proportion of the Number of Entrepreneurial Projects in the Past Two People

4. The Second Classroom Report Card Module of Higher Vocational College Can Be Divided into

Compared with other schools, the outstanding characteristics, style and concept of running a school are the core competitiveness of higher education institutions summed up in the long-term development process. Combining the characteristics of school running, innovation can find the purpose of training, and the innovative training program with the characteristics of active vocational education can be designed. Please implement the unique characteristics of the second classroom replication. Scientific design meets the characteristics of physical and spiritual development of college students. According to the actual situation, the transcription module of the second classroom of the college can be divided into skill competition, skill training and skill training module to obtain the industry qualification certificate. The innovation and entrepreneurship module includes the competition between innovation and entrepreneurship, entrepreneur training and participation in innovation practice. The social welfare volunteer module is divided into student volunteer activities, volunteer activities, social practice module participation, student internship participation, internship and so on. Students learn about industrial characteristics in the activities of the second class. And determine the concept of industry, deepen their views on industry and career development, enhance

their sense of innovation, and improve their technological innovation. At the same time, according to the characteristics of high school running schools and students, the proportion of grade in the second class should be increased or decreased to achieve the expected goal. For example, the ratio of skills to special modules increases, actively competes for industry skills, skills training, strong technical qualifications, the awareness of industry experts that students participate in, improves the ratio of design innovation to entrepreneurial modules, and increases student guides. In addition, students are encouraged to actively participate in various levels of academic technology. Participate in the innovation and entrepreneurship competition and relevant honorary research projects, obtain inventions, encourage students to participate in independent employment, and change innovation in time. Increase the proportion of “voluntary service public welfare” module, and encourage active participation in independent welfare activities such as education, disability, public welfare and competitive service. Expand the social practice module, encourage students to participate in the practice of industrial enterprises, and implement the social practice activities of winter and summer vacation around the characteristics of the major.

5. Conclusion

In the implementation plan of the reform of the Communist Youth League in Colleges and universities, it is clearly stipulated that “the main position of students should be respected, the lifeline of young students should be adhered to, and young students should become the masters of group work and activities.” The development of college students has new characteristics. We should establish the educational concept of facing students, put forward problems, and put forward problems. Under the background of the implementation of the second classroom copy system, first of all, we should cultivate students' innovation ability as the goal. The following games should be scientifically designed for the second track transcript implementation plan, which must be implemented. The school Party committee should use the top-level design to do a good job, generally to grasp the progress of the work and promote the school's multiple departments. The transcription system of the first classroom is closely combined with the teaching and practice of the first classroom, and the task starts from the responsible department, the responsible person and the completion time. At the same level, the transfer system of the second classroom can be installed there. Second, in the practice of the second classroom, in the practice of the second classroom, the concept, the change of the activity mode of changing teachers as the main part, and the active exploration of teachers' problems, and the design, solve the final problem of students' creation of complete game process. Power and initiative students are easy to accept, with a wide range of operations. The cover is a simple variety of campus cultural activities. In order to implement new media technology as a platform and make full use of the network, students are invited to reward. Finally, we should strengthen the construction of teaching staff. The innovation of teachers' working attitude, working ability and working concept directly affects the cultivation and development of students' innovative ability. Therefore, it is necessary to demonstrate the quality and ability of teachers in key national countries, strengthen the allocation of teachers on a regular basis, and deepen the frontier learning and practice of enterprises. Through innovative thinking, teachers can guide students to innovative learning, activities and practice. As a result, the overall quality and innovation ability of students will be further improved.

Acknowledgement

(1) The Scientific Research Plan Project of Binzhou Polytechnic in 2019 (Source) A New Era Innovative Research of the Student Community Construction and Management Mode in Higher Vocational Colleges (Title) 2019YJKT15 (number).

(2) The Research Project of Vocational Education Teaching Reform of Shandong Province in 2019 (Source) The Research and Practice of “Triple Teaching Subjects, Triple Teaching Modes, Triple Helix Diagnosis and Reform” Vocational Literacy Training System of the Major of Pre-school Education in Higher Vocational Education (Title) 2019028 (Number).

References

- [1] LI Xinliang. (2017). Study on the Construction of Maker Education in Higher Vocational Colleges in the Age of Internet Plus. *Software Engineering*.
- [2] WANG Rong, LIU Zhen-jie, XU Zhi-yu. (2017). Research on the Teaching Strategies of Flipped Classroom in Higher Mathematics--Taking "Constant Series" Teaching as an Example. *Journal of Higher Education Finance*.
- [3] Gina Z. Weisblat, Elizabeth A. Stiles, Jeffrey D. McClellan. (2019). Does the Innovation Really Work?: Effectiveness of self-organized learning environment (SOLE) in the classroom. *Childhood Education*, vol. 95, no. 2, pp. 60-66.
- [4] Jordan Shapiro, Jessica Bernica, Ruben Hernaez. (2018). Risk of Bias Analysis of Systematic Reviews of Probiotics for Treatment of Irritable Bowel Syndrome. *Clinical Gastroenterology & Hepatology the Official Clinical Practice Journal of the American Gastroenterological Association*, vol. 17, no. 4, pp. 1781-93.
- [5] Calisto Kondowe, Wallace Chigona. (2019). Rethinking Theory and Practice of ICT4D. An Analysis of the Discourse Embedded in the 2016 World Bank Report. *Molecular Logic and Computational Synthetic Biology*.
- [6] NIMISHA BARTON. (2019). Gender, Immigration, and the Everyday Practice of Social Citizenship: Women, Gender, and the State in Modern France. *Practiced Citizenship*.
- [7] Harrison, Kimberly, Harrison, Richard, Ward, Julie. (2018). The Utilization of an Electronic Data Collection System to Assess Professional Practice in School Social Work. *School Social Work Journal*, vol. 42.
- [8] Maxime Lamothe, Weiyi Shang. (2018). Exploring the use of automated API migrating techniques in practice: an experience report on Android. *the 15th International Conference*.
- [9] Li Sun, Laura Van Beveren. (2018). We all reflect, but why? A systematic review of the purposes of reflection in higher education in the social and behavioral sciences. *Educational Research Review*, vol. 24.