The Construction of Training Base of Application-oriented Institutions under “Production-Education Integration” Background

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Abstract. Production-Education Integration is the inevitable trend of application-oriented institutions nowadays and training base is an indispensable vehicle to make the combination. How to make full use of the training base to not only serve for the practical teaching function for the institution, but also increase the industry and enterprises’ engagement and to achieve the win-win goal for both colleges and companies is the collective aim for institutions and businesses.

Introduction

The tenet of application-oriented institutions of higher education is to train and dispatch high-quality highly competent personnel for different industries. In the formulation of students’ training plan, practical teaching is a most important component and a vital part of students’ practical ability formation. The Institution-based training center is an efficient carrier for the institution to combine production and education as well as an important platform for the students’ skill practice and vocational quality increase. It plays a significant role in the current personnel training.

The Definition of “Production-Education Integration”

“Production-Education Integration” is the combination of Production and Education, that is, the interaction and intermingle of Production-Education and further “industry, profession, enterprise and institution”, so it is featured by “mutual subject and mutual participation. It mainly focuses on the practical environment for the application-oriented education. The combination of production and education is the high unison of institution education and industry requirement, the close connection of participated parties for resource integration based on win-win strategic thought. It works via institution-enterprise cooperation for the goal of training personnel which is suitable for vocational positions and industry ever-changing needs. The combination of production-education is a key measure of the education and teaching reform of application-oriented colleges and universities and is also one highlighted difference of that institution teaching with the traditional teaching module. The integration of production-education promotes the high-quality applied talent training as well as advances the technology of cooperative enterprise. It is of strategic significance for the applied undergraduate teaching to have innovation and reform

The Existing Problem of On-The-Campus Training Centre

The current practical courses are mostly flattening and homogeneous

Currently, most of the practical course design is based on the existing structure of theoretical courses, most of which are featured by highly standardized content. For an efficiency curriculum design, the practical courses and the theoretical courses should be inter-active and cross applied to make sure the whole structure of a major or unit is horizontal and vertical complete. And the status quo is the practical courses only operates after the accomplish of theoretical courses, and it does not directly support and supplement the theoretical courses.
The traditional training base cannot satisfy the social needs for compound-applied talents

Modern Enterprises request their personnel to be complex-skilled: besides their individual work content, staff need to be a team player to fit the social and business environment. Based on this, the applied talent should have the combination of knowledge, skill, overall quality and innovation spirit to be welcome by enterprises, while as the traditional laboratory ignores the combination of facility and mock vocational surrounding, and therefore is in inefficient usage.

The Meaning for the Training base Construction under the “Production-Education Integration” Background

A synthetically teaching platform will help in an all-round environment

Construct and combine the professional laboratory, skills training centre, Integrated classroom of theory and practice, applied technology laboratory and innovative entrepreneurship studio on the thought of the "five-sphere integrated plan" to make the most use of training centre. Under its practical training system based on real industry and company environment, the students can work as an intern for the cooperative company and study as the student at the same time. By this way, not only students are motivated to learn the real job market but also the teachers are driven to be more familiar with the company’s daily operation and transaction.

It improves students’ employability and increases students’ overall qualities and leads to students theoretical and practical mutual competence and make them being employed soon after graduation

Through the establishment of professional basic laboratory in the 1.0 era, the professional skills laboratory in the 2.0 era, Virtual simulation training room in the 3.0 era and comprehensive capacity training room in the 4.0, the on-the-campus training centre system is built up following the students’ skill and technique improve, and this helps boosting students’ vocational ability and overall quality. In the practice, students solve the problems using their learnt professional knowledge, which improves their practical ability and the problem-solving ability.

It furthers the institution-enterprise cooperation and lays solid foundation for the talent-training

The institution-based training centre is formed with the support of industry, profession, and company and formed on the base of social and industry needs. For the construction of training base, the company’s real project and case is introduced as well as the transaction process and industry standard. By this way the teaching system of practical courses is founded, and the teaching content, module and vehicle is in accordance with the real industry market. Students is in the real situation of on-the-job training.

The paths of training centre under the campus-industry cooperation background

Organize the investigation and survey to the job market and graduates, make clear the gap of current education and realistic needs, and ascertain the key fields of field training

In order to keep up with the leading and practical position, the training base is suggested to do investigation and survey via online webpage, mail questionnaire or on-the-spot interview to receive the employers and graduates’ continuous feedback to update and modify their training activities. So that the training centre can keep on better serving for both students’ and their future employers.

In obey with the students’ skill improvement rule, offer practical classes which can lead to students’ sustainable skill improvement

The design of physical training environment should mock the enterprise’s real working environment, and this can conduct students to change them social role from classroom students to career professionals. In the mock enterprise environment, training centre set up different company
positions in line with different transactions and working processes. The company positions are inter-related and linked through the divisions and departments. Via above steps, students can understand where they are in the business line and what they are supposed to do. By this way, students are familiar with the process of different departments and the difference of departments, positions, and the difference in or between companies. After go through of the whole process, the comprehensive business concept is formed and they will naturally know what they will face in the real job.

**Construct the personnel training module which is closely connected with production, industry skills and processes**

From the specialty characteristics, teaching goal, colleges should analysis the current talent-training module, and put emphasize on the “ability itself”, and make the students’ theoretical study closely link to the job demand. The colleges are suggested to build characteristic cooperation of institution-enterprise, combine the quality training with company’s employment requirement and form the guidance of vocational skill development. Cooperation content of institution and enterprise is designed under the consult of major construction guidance commission combined with teachers and industry experts; job analyses are given to draw up the personnel training goal and standards; training programs and items are subdivided to small points to make sure each detail can be carry out with high efficiency. In doing so, the talent training standard is in accordance with the real personnel request, the course structure is in according with the company position, the teaching content is in accordance with the job content, the practical teaching is in accordance with the on-the-job running. This is finally the combination of theory and practice, the in-class training and on-the-job training, the learning and working, the vocational quality and vocational skill.

**Apple multiple measures to improve the practical training teachers’ teaching**

The teaching of practical courses makes higher request to the teachers, especially to the teachers of comprehensive training courses. They are required to have not only the solid professional knowledge, but also the practical knowledge of daily operations and management of enterprise. They are required to have the practical teaching skills as well as the theoretical lecture delivery skill. Therefore, the institution should pay attention to the training teacher themselves’ training, and create more study opportunities for them, such as paid study, seminars, structured teacher training, teaching consultation, etc to improve young and middle-aged teachers’ teaching skills and professional skills. By doing so, an application-oriented teachers team can be established.

**Conclusion**

Under the background of institution-enterprise integration, through the on-campus training centre, institutions are supported by the industry and enterprise and the teaching is integrated with enterprise culture, the updated industry standard, the practical operational standards. The training base is at its full usage. Also, institution can better serve society. The training base under college-enterprise cooperation makes students link theory with practice in the mock company environment to impel them grasp practical skills and achieve the goal of highly employable.

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