Discussion on "Internet + Vocational Training" in Technician Colleges

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Abstract. Based on the basic understanding of "Internet + Vocational Training" and the research on the subject of "Internet + vocational training" by the host enterprises, as an enterprise-run technology college, Daqing Technical College, deeply understands that "Internet + Vocational Training" is more advantages and attractive than the traditional face-to-face training. While promoting education informatization, and then it thoroughly explores the principal measures of developing "Internet + vocational training".

Introduction

According to the State Council of the People's Republic of China issued "the 13th Five-Year Plan for national informatization", to enlarge the coverage of quality education resources, which will construct networked, digital, individualized, lifelong education system for promoting the development of online education. The book of "About boosting the Technician Colleges with State-owned enterprisea (SOE)" develop school-enterprise cooperation refers to discern Technician Colleges and State-owned enterprisesa join exploitation that high quality educational resources for striving to develop "Internet + Educational Training" pattern. Professional skill training as an important carrier, technician colleges needs to strengthen "Internet + Vocational Training" research, explains and uses.

Delete the Basic Understanding of "Internet + Vocational Training"

"Internet Accelerated Speed" emphasize innovating and wholesale alteration. It generally originate traditional industry but it exceeds traditional industry model. Then it became a brand new, independent, conform to the need of the time and market demand. Such as the e-commerce and traditional business, Internet finance and traditional finance, Internet media and traditional media. It has the advantages of modern technology and institutional. It can be based on market demand, to establish training resource and training mode. "Internet" belongs to the trend. It is mainly that customary enterprises join the Internet platform based on the original business to improve the business efficiency and service quality. Its advantage is that it has the advantages of stock and industry standards "Internet + Vocational Training" is a new mode that is different from the traditional face-to-face training based on multimedia, Internet technology and through the exploration and optimization of training methods.

At present, vocational training still relies on classroom face-to-face teaching, which is more suitable for systemic learning of specialized skills. Although the content of "Internet + Vocational Training" cannot be "big and complete", it can be "small and precise". This feature enables it to be use in pre-class preparation, in-class flipped classroom, after-class review and can replace the lecturing part of lecturing in function, so that it is taught in the personal process, there will be more time to solve key and difficult problems. Therefore, Internet teaching supplied by face-to-face teaching will become the mainstream of enterprise training in the future.
Thoughts on Exploring "Internet + Vocational Training" for Oil Field Enterprises

Daqing technician college is a technical training centre for oil field enterprises. Business training vane, the school is given prominent attention. In early March 2019, the production technology technological learning guidance system and "Internet +" staff training, training mode and curriculum construction under the background of oilfield research corporate level subject two oilfields through the acceptance, the former study of interaction simulation technology to production process in the animation demo, accompanied by the interactions of the scene more function, achieve the change of learning from the abstract to the intuitive, have increased interest in learning, to ensure the learning effect; The "Internet + Oil Production Technologist Training Project" reflected in the subject is established to seek new methods to promote the transition from the current situation to the "Internet Vocational Training". It studied the training mode, course design process and standards of employee training under the "Internet +", designed, produced the "Course Resource Package", and established the "Resource Website Platform" for employees' online learning. The latter adopts the "Internet +" model of the concept and connotation, including "Online Students" autonomous learning, offline teachers classroom training, network answering cooperation study, the first teachers "Internet +" training resources, make the students know the training content, students through online learning of the necessary knowledge preparation; Secondly, the teacher carefully designed the curriculum, and used reasonable training methods to complete the classroom training, highlighting the application of the core content in the actual work, and be good at summarizing and supplementing and strengthening the effect of online self-study; Finally, teachers also answer students' technical questions on the Internet after-class, organize students to discuss and assign homework, so that students can check their learning results. Students can also solve problems through the online learning community. The two project acceptance, daqing technician institute deeply feel continues to use traditional way to carry out the enterprise staff training is under severe challenges, under the back ground of "Internet +" staff vocational training to the connotation construction, renew the idea of education and training, standardize the curriculum standard, course construction, train the ability of training teacher information technology training, to improve the quality of vocational training.

Advantages of "Internet +Vocational Training" over Traditional Face-to-face Training

Compared with rational face-to-face training, the advantages of "Internet + Vocational Training" lie in: (1) Evaluation of Internet + Vocational Training". Effect of standard is how much students, rather than how many lectures, training courses usually in graphic and video as the carrier, micro courses, class quality as the main form, give full play to the micro video, micro class "short, small, fine, boring" advantage, earnestly with the knowledge, skill points, operating procedures, safety standards, with an animated demo, enable students to around a point and in a short time! Difficulties focus on solving practical problems, with the effect of improving professional ability. (2) "Internet + Professional Training" series of micro-course of vocational training organization is more flexible, on the one hand, students can arrange according to personal environment and their own state of autonomous learning, to learn is not the restriction of the time, place and environment, the students can use the fragment time any whereon mobile phones or computers for an effective study; On the other hand, online classes also make it easier to organize classroom training. Students can have two-way interaction no matter where they are. Teachers can organize discussions and answer questions online. In general, “Internet + Vocational Training” minimizes the time and space constraints on classroom organization. (3) The nature of "Internet + Professional Training" is online learning, online course in each module or unit has its own identity card, after the course iteration, the information will update, and updated based on mainly comes from professional technical knowledge, innovative designer of optimization and the actual feedback unit of choose and employ persons and students. (4) "Internet + Vocational Training" makes the deployment of training more strategic. The primary problem of training is not the design, teachers, system, but positioning, the
core positioning is to give the organization and individual motivation, find problems, explore countermeasures, effective training can make the whole enterprise each node work more perfect.

Major Measures for Technical Colleges to Carry out "Internet + Vocational Training"

"Internet + Vocational Training" can be presented on the Internet of the school in the form of "xx project training independent learning platform" (refer redo as "Independent Learning Platform"). According to vocational education professional teaching resource database construction manual professional teaching resource construction scheme of the mechanic colleges and universities, in the centre of the resources construction, including construction of vocational training library. On this basis, the construction of "Autonomous Learning Platform" is much more easy and convenient. Development and use of "Autonomous Learning Platform" should take the following measures:

1. Construct "Autonomous Learning Platform" digital resources. Carry out "Vocational Training", the Internet first to choose the appropriate training in the school teaching resource resources, task type selected course should really refine out the specific learning tasks, which fully embodies the pertinence of vocational skills training, and then set up the Internet platform of form a complete set, distributing the platform with all relevant units chain nuclear and corresponding management and access permissions, with traditional classroom has a fixed schedule than force-feeding education, autonomous learning even more pay attention to the training of students professional ability, change the top-down model of information transmission. According to the professional ability of the student, the learning content and intensity are arranged through "Cloud Training", and the quantitative real-time assessment is conducted through process supervision and intelligent evaluation. Digital resources of "Independent Learning Platform" should be distributed on websites, mobile terminals, tablet computers, WeChat public accounts and other media. Advanced cloud technology should be utilized to build a smart campus cloud platform, so that the dissemination of vocational training courses can effectively cover the campus and beyond. Campus network and Internet users to provide a stable and reliable al-weather self-learning environment.

2. Organized training around "independent learning platform". When companies issued after the training needs, schools to respond, extracted from the training resource and combination of the corresponding training resources, form a training course, can use to send web site before the commencement of SMS, push WeChat public document content, sharing cloud disk to convey to the students, such as prepared by the students according to oneself circumstance first study and the basic knowledge and skills, the unified time and then at the school by the training group for the guidance of professional teachers, correct, answering questions, further training to enhance learning effect, by the students through class Shared environment and actual operation, to ensure that the level of practice in class, after class, and guide students to join the school Prepare for the future of online learning, review, and question-and-answer interaction between teachers and students. In terms of authority management, the full platform access to the teaching and training functional departments is open; Open courses for registered users with limited learning rights; To the network student then according to its purchase course opens the corresponding study permission; Open the necessary permissions to other technical institutes according to the cooperation situation.

3. Update and maintain the content of "Independent Learning Platform". Specific training content will be based on students training in the repository and unit of choose and employ persons the actual feedback tardive update the content of the update can be done as a single vocational training for the smallest unit package multimedia method resources, greatly reduce the training database maintenance cycle and cost, its content should have correct professional standards, rich forms or multimedia method, the effective interaction and coordination with the traditional training, to ensure that the training resources occupational, educational, interesting, varsity, inspining and normative. At the same time actively develop vocational training packages and carry out vocational training services, according to the vocational training packages. The vocational training package is a collection of vocational training resources including training objectives, training requirements, training content, curriculum specifications, assessment outline and training resources. The system of
publicity, prevention and accountability for the prevention of theft and dissemination of training resources shall be ensured.

(4) Design the evaluation system of "Independent Learning Platform". Design a form to monitor training effect evaluation system, this means that the realization of the modernization of classroom training, also represents the "Internet + Vocational Training" mode of comprehensive, training process data recording, the results generated automatically, intelligent management, supervision and evaluation with functions of early warning and prediction, with the whole process, the whole behaviour are all large data characteristics, the use of the cloud data statistics, analysis processing, training mechanism, we call it "Cloud Training". "Cloud Training" includes comprehensive cloud technology and big data of training tools, training content, training management, training supervision and evaluation. "Cloud Training" activity behaviour includes teacher's training behaviour and student's learning behaviour. The process of "Cloud Training" includes the overall organization and implementation of pre-class preview, in-class teaching and after-class review.

In brief, expediting vocational training informatization construction, using of Internet technology and modernization of vocational training are technician college's vocational training important mission.

References

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