Impact of International Transfer Projects in Developing Vocational Education & Training in Vietnam

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Abstract
Vietnam has been attracting a lot of foreign investment in different fields as well as exporting numerous goods to the world. Therefore, in order to equip the labor force with good skills to adapt to the international standards, Vietnamese vocational education and training (VET) has been developing the system toward implementing a lot of international transfer projects to transmit technology and knowledge into training and practice.

Research purpose:
As part of the BMBF (Ministry of Education and Research of Germany) funded research project Internationalization of Vocational Education and Training (IntVET), this research initially study how Vietnamese VET system has been developed based on international transfer projects, then a study on deeply understand the VET system development and business models shall be conducted.

Research motivation:
Despite the significant amount of researches on technology transfer in VET and international collaborations in higher education sector, little is known about the nature and characteristics or impacts of international transfer projects in developing VET system. Although international transfer projects in VET systems among developed and emerging countries have been fostering popularly, it is a phenomenon that existing research has neglected often.

Research design, approach and method:
A desk research and semi-structure interviews with six experts who have had experience and knowledge in the field of VET in Vietnam were conducted. The following topics were discussed:
- History of Vietnamese VET system establishment;
- Motivation and progress in implementing of international transfer projects into Vietnamese VET system;
- Viewpoints on the adoption capability or innovation of Vietnamese VET providers toward implementing international transfer projects;
- External factors that drive VET system investing and participating in international transfer projects;
- Major challenges faced by the organization/government in the development of VET.

Main findings:
There have been many activities and positive effects of implementing international transfer projects toward how Vietnamese VET system developing in order to meet the increasing number of international standards. However, there are still several weaknesses which mainly come from the inconsistency of planning strategies and actions plan in development; social gap, norms and awareness toward VET; unmatched and not-adapted general capacity of Vietnamese VET teachers and learners to requirements set.

Practical/managerial implications:
The actual results will be a basis for the following individual depth-interview with 20 Vietnamese VET providers toward pilot-based implementation of international transfer projects to study their business models’ success factors and innovation. The model then can provide meaningful feedback and data-based recommendations for continuous improvement of the Vietnamese VET system and may enable a broader view of the business models of vocational training providers in an international context to improve the long-term success of internationalization plans in Vietnam.

Keywords: international transfer, internationalization of VET, knowledge transfer, labor force, technology transfer, vocational education and training system.
1. INTRODUCTION
Since the industry revolution has been raising up, human capital has been playing an importance role in sustaining a nation’s economic competitiveness. Hence, highly skilled workforce is considered as a key nation’s resource that can meet requirements of a knowledge-based and innovation-driven economy. These skills somehow can be trained through general education, however, some specific occupational skills are necessarily acquired via vocational education and training (VET). As Hocke1 et al. (2010) pointed out typically VET systems play an important role in supplying these skills. Therefore, VET programs should be designed for learners’ knowledge and skills development in order to meet the requirements of industries.

According to previous researches of many authors (e.g. Hilbig, 2017; Hilbig & Nirenberg, 2019; Ardakani et, 2011) and also mentioned by the National Centre for Vocational Education Research in 2001, the factors influencing demand for VET are globalization, technology development, social needs and values, individual needs and economy issues coupled with regulatory requirements. Here, VET is one of the key components in order to produce qualified workers to contribute to society development and economic growth (Brunello and Paola 2006, King and Palmer 2007, International Labour Office 2010).

The international transfer which include both knowledge transfer and technology transfer is an important topic in international debates related to VET system development (Reddy and Zhao 1990, Allais 2010, King 2014, McGrath 2002). The theoretical basis for transfer in VET (Ramanathan 2011, (Heinzel et al. 2012) as well as the modes of transfer (Khabiri et al. 2012, Fredland 2000) are mostly discussed. International transfer in VET is usually discussed from the perspective of a donor country in order to support a recipient country that is in need of development or reform the VET system. One of the popular examples is the international transfer of Germany’s dual training system (Maurer 2019, Li and Pilz 2017). The receiving country perspective is usually related to policy development support (Steiner-Khamsi 2006).

Since early 1990s, many international transfer programs for VET system development have appeared in Vietnam. Therefore, it is now the right time to analyze the impact of these international transfer projects in Vietnam. Hence, this paper is reviewing the development of Vietnamese VET system since its establishment in order to identify the impacts of international transfer projects.

2. METHODOLOGY
As part of the BMBF (Ministry of Education and Research of Germany) funded research project Internationalization of Vocational Education and Training (IntVET) this research generated data based on interviews with Vietnamese VET experts. In order to deeply understand the VET system and its development in Vietnam, there was individual depth-interview with six experts who have had experience and knowledge in the field of VET in Vietnam. They are coming from Ministry of Education and Training (MOET), Ministry of Labor – Invalid – Social Affairs (MOLISA), Directorate of Vocational Education and Training (DVET), and some other organizations which used to play important parts of moderating, supporting collaborative activities and/or participating in connecting international transfer projects to VET providers in Vietnam such as Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ), Vietnam-Japan Cooperation Center, Ho Chi Minh City University of Technology and Education (HCMCUT), and Friedrich Naumann Foundations (FNF) (see table 1).

<table>
<thead>
<tr>
<th>Experts</th>
<th>Position</th>
<th>Years of experience</th>
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<td>Professor</td>
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<tr>
<td>DVET</td>
<td>Senior Advisor</td>
<td>41</td>
<td>Ph.D.</td>
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<tr>
<td>GIZ</td>
<td>Sr. Project Officer</td>
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<td>30</td>
<td>Ph.D.</td>
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<tr>
<td>HCMC UTE</td>
<td>Senior Consultant</td>
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<td>Master</td>
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(Source: Author, 2021)

As a two-way method of collecting data, semi-structured interview can get the full spectrum of participants’ observation and obtain an in-depth understanding of the research subject. In detail, the following topics were discussed:
- History of Vietnamese VET system establishment;
- Motivation and progress in implementing of international transfer projects into Vietnamese VET system;
- Viewpoints on the capability of adoption or innovation of Vietnamese VET providers toward implementing international transfer projects;
- External factors that drive VET system investing and participating in international transfer projects;
- Major challenges faced by the organization/government in the development of VET.
Each interview lasted around one hour and the interviews were tape recorded and fully transcribed for answering these questions.

3. RESULTS AND DISCUSSION

VET in Vietnam has a long story of development which is associated with the emergence and existence of wet rice civilization and traditional craft villages. The Viet ancient passed the craft profession to many generations to produce and maintain life. Those we.

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technology and competencies (i.e. physics, chemistry, language) was introduced to Vietnamese (Ho and Reich 2014; Vo 2012), is still now applied in current Vietnamese tertiary education where is still some similarities to French education system including its central management (H. P. Tran 1998).

From 1954 to 1975, the country was temporarily divided into two regions. In the North, vocational training had grown rapidly with effectively support from socialist allied countries. The transfer activities dealt with importing technology and competencies to restore and build the base of Vietnam emerging’s industry sector focusing on textile and garment, machinery engineering, state-owned farms, transportation and construction, education and health, etc. Due to the requirement of developing human resources for developing the North and liberating the South, the government established the General Department of Training Technical Workers under the Ministry of Labor. This is a historical milestone marking the strong development of Vietnamese VET system. Then, there was a dramatically change after the independence. International cooperation in Vietnamese VET expanded to participate in and host conference of the leaders of VET institutions in those socialist countries, to send about 80,000 young people and workers to vocational training courses in former Soviet Union, German Democratic Republic (former), Czechoslovakia (former), China, Korea, Hungary, Romania, Brazil, Poland and Bulgaria. Coming back from the training abroad, they had made important contributions to the country. There was influence of the socialism (another term was Soviet) education to VET during this time in general education (Math, Advanced Math 1 and 2), political education (Leninism or Marxism philosophy), and the emphasis of theory-based classes over workshop and working experience (Mac et al. 2012; Ho and Reich, 2014; Phan, 2015). During this time, VET was also got a little influence from the USA under American empire. Starting in 1971, the government opened a number of community universities (following the US community college model) such as Tien Giang Community College (focuses on agriculture) in My Tho; Duyen Hai (focuses on fisheries) in Nha Trang; Quang Da in Da Nang (1974); and Long Ho (unfinished still 1975) in Vinh Long; the Regina Pacis University, founded by Catholicism, exclusively for females (1973).

Since the Renovation 1986, Vietnam has changed once again dramatically, especially in VET system. The number of VET schools were reduced from 279 in 1987 to 129 in 1998 due to the low demand for state-owned enterprises. Therefore, when the country got opened for foreign investment, VET institutions were unable to respond to the demand for highly skilled workers. There was once again the need of VET system development, to foster the economy and social development of the country.
The General Department Vocational Training (GDVT), later on shifted into Ministry of Labour, Invalids and Social Affairs (MOLISA) started revising the 2006 Law of Vocational Training and introduced the new vocational training strategy 2011-2020 with the desire of meeting the labor market demands both in quantity, quality and vocational system structure. Enforcement of this law has strengthened VET in Vietnam, however, the existing system is still complex and there is unclear demarcation of responsibility and accountability in VET between MOET which retains some policy functions, MOLISA, and other supervisory ministries. Since then, Vietnamese VET system has changed frequently and has had several supervisory ministries, making it difficult to get reliable and comprehensive statistics from time to time. Until 2018, with a network of 1,979 VET institutions, including 395 colleges, 545 intermediate schools, and 1,039 vocational education centers, the quality and quantity of VET graduates have contributed to the economics a lot. In addition, the Law on VET defines the objective of international cooperation in VET as “improve the quality of VET in the direction of modernity, approaching the advanced vocational education in the region and in the world”. It opened gate for welcoming more international collaboration in form of joint training; establishment of representative offices of foreign VET institutions in Vietnam; cooperating in scientific research, transferring technology and organizing scientific conferences and seminars; fostering and exchanging teachers, management staffs and students; exchanging information for training activities; providing training programs; exchanging publications, documents and training results; participating in regional and international educational organizations and professional associations; opening representative office of Vietnamese VET institutions abroad. This is a positive point that Vietnam is becoming one of the potential partners and attractive market for educational cooperation.

The push for the development of the VET system came mainly from the rapid growth for foreign direct investment (FDI) in the country. Ranked the 14th in the world (2020) for its population of more than 96.2 million and belonging to group of countries with the highest economic growth rates in the world over the past two decades together with its competitive costs and low wages, Vietnam has become one of worldwide hotspots in FDI (VCCI, 2019).

According to Industrial Location Theory (Grabow, 1995), one of the hard location factors is labor market. It is not only about having enough employees but also the qualifications of these employees plays an important role. Consequently, the Vietnamese government recognized the essential of FDI in VET since early by issuing a Draft Decree on Cooperation and Investment in Education and Training Involving Foreign Partners. This Decree encourages collaboration and investment in all types and relevant activities in a wide range fields of education and training covering industries and services such as IT & telecommunications, mechanics, food technologies, electronics and electronic commerce, natural sciences, engineering, health, environment, agriculture, tourism, business management, finance & accounting, international laws and foreign languages, etc. Furthermore, under the AANZFTA, Vietnam has made several commitments that allow 100% foreign-invested VET entities. Since the late 1990s, which particularly support of the Asian Development Bank (ADB), Germany, Korea and Japan, there have been various multilateral and bilateral donor projects providing technical and financial assistance to Vietnamese VET system.

The Vietnamese government has embarked on modernization and industrialization reform programs to enhance its standing in ASEAN and enhance Vietnam’s competitiveness in the process of international economic integration. These initiatives aim to develop a more qualified workforce by facilitating the expansion and diversification of educational training programs. A major contribution to this approach has not only been the international adoption but also the adaptation of international VET programs and reforms (Reich and Ho 2017).

These are the motivation for Vietnamese VET providers to implement international transfer projects. Under MOLISA management, a project named Vocational and Technical Education was launched from 1998 to 2008. It received supporting from ADB as well as France, Japan and Nordic countries to establish 15 VET schools, to develop standardized skills for 48 occupations, to apply accreditation with national testing and certification, and to pilot labor force information systems. In addition, to develop labor market information centers with MOLISA and provincial authorities, to strengthen the quality of VET teachers, and to develop national still standards in one industry sector, in partnership with MOLISA, the International Labor Organization was implementing the Labor Market Project which launched since 2008 in two years with US$18.3 million funded by European Union. Several activities toward assisting with curricula reform, improving teaching and learning materials and
in-service teacher training have been advised in a 
project of German Technical Cooperation (GTZ) on 
Promotion of Technical and Vocational Education and 
Training (2006 to 2010) on labor market oriented skills 
training for sectors with potential growth and 
employment. Besides, there have been many 
international transfer projects in VET coming from 
Korea, Japan and Australia, Canada and many others’ 
International Cooperation Agencies.

There have been many ambitious plans by the 
Vietnamese Government to address VET needs as well 
as to double rural incomes by 2020, such as:

- In 2009, the project “Renewal and Development 
of Vocational Training System by 2020” 
together with the allocation of $1.4 billion to 
train 1 million worker in rural to increase the 
rate of skilled workers to 50% by 2020 were 
launched announced by GoV.

- An investment of US$2.29 billion provided via 
The State budget and ODA was used for the 
project aiming to foster the establishment of 
VET institutions and training 40,000 vocational 
trainers.

One of the advantages for Vietnamese VET is that the 
country is stable in terms of politics and socio-economic 
development. The socio-economic development strategy 
for the period 2011-2020 set the requirements of 
restructuring economic and innovating the growth 
model together with strategy and master plan on human 
resource development. These advantages are the basic 
premise to carry out fundamental and comprehensive 
renovation of Vietnamese education and strengthen 
international cooperation in education. Faced with the 
new requirements of industrialization and 
modernization of the country and international 
integration, Resolution No. 29/NQ-TW dated November 
4, 2013 of the 8th Plenum of the 11th Central 
Committee and the Resolution of the National Congress 
of Deputies, the 12th National Party Meeting of the 
Party had determined that one of the key tasks in the 
next 5 years was to fundamentally and comprehensively 
renovate education and training, and improve the quality 
of human resources to meet the requirements of the 
labor market, which associated with the needs of 
socio-economic development and progress of science 
and technology. On the other hand, Vietnam's signing 
and accession to the new generation of bilateral and 
multilateral free trade agreements (FTAs) has posed 
many challenges for the country in transforming the 
economic and structuring labor forces. Vietnam is 
actively and proactively integrating into the 
international community. Up to now, there are 13 FTAs 
which have come into effect, many new ones have been 
signed or are being negotiated. This is a big advantage 
for international transfer projects and collaboration in 
VET.

Last but not least, as trend and strategy, on May, 23rd 
2014 the Decision No 761/QD-TTg was issued on 
approving the project to develop 45 public high-quality 
VET institutions until 2020 (Project 761). These 
institutions have been selected to prioritize concentrated 
and synchronous investment according to the criteria of 
high-quality VET schools, capable of training a number of 
occupations recognized by advanced countries in the 
ASEAN region or internationally. According to the 
expert from DVET sharing piece of MOLISA report, in 
the period 2014-2019, these high-quality VET 
institutions have achieved some outstanding results:

- The quality and effectiveness of vocational 
training have changed positively with over 75% 
of fresh graduates who could find jobs or 
self-employment immediately.

- The number of enrollment increases every year. 
Comparing to 2015, the number of enrollment 
in 2017 nearly doubled, and from 2018, the 
scale increased from 10% to 15% on average.

- 251 occupations in 49 key industries have been 
centrally invested in order that 154 occupations 
from 27 industries have reached international 
level and 60 occupations in 18 industries are at 
the ASEAN regional level, and 37 occupations 
in 28 industries are at the national standards.

- These VET instructions have received and 
transferred 34 key international occupations in 
which 12 from Australia, 22 from Germany. 
These pilot courses are at scale for 2000 
students. Graduates will be awarded Australian 
or German diploma.

- 682 teachers of these VET institutions are 
synchronously trained at home country and 
abroad. These VET institutions have been also 
assessed by international partners to meet 
standards to organize training.

- Schools management meet domestic quality 
accreditation standards. Among those are 21 
schools which operating British quality 
management process, 8 pilot schools for 
international accreditation having basically 
achieved the standards as assessed by British 
and German experts.

- 3 VET colleges piloting renovation in 
operational autonomy mechanism according to 
Resolution No. 77/NQ-CP, dated October, 24th 
2014 of the Government reached outstanding 
achievements in term of enrollment results, 
training quality and development of teaching 
staff and facilities.

- Many large corporations and enterprises have 
paid attention and directly participated in VET 
such as Vingroup, Sungroup, FPT, Samsung, 
Thaco, etc. Cooperation between VET schools 
and industry has been strengthened in the 
direction of increasing training at enterprises, 
training on orders of recruitment, technology
transfer. Therefore, most of high-quality training programs have ratio of over 30% time practicing at enterprises and over 50% time of practicing per whole program.

Although since the early stage of establishment, there has been international cooperation in Vietnamese VET and international cooperation including international transfer projects has taken place in a variety of forms and methods with many efforts, the positive impacts and development can be seen only in some VET institutions. For the vast and major VET institutions along the country, international cooperation in the field of VET is still situational, with no clear strategic direction wisely. Effective cooperation programs and projects have not been as expected, agreed by most of the experts during interviews. These weaknesses can be seen as below:

- The Law on VET took effect from July, 1st 2015 but it still lacks many standards, norms and regulations. The norms related to international transfer projects with its standards were not yet available, so the process of piloting and implementing new issues was slow. Decision No. 761/QD-TTg on high-quality VET schools did not specify a number of contents related to the association with enterprises in training, practice time ratio, internship at enterprise, lack of evaluation on success measurements such as the percentage of students graduating from each program and level as well as the evaluation on skills comparing with each occupational skills standards, lack of evaluation on entrance for foreign languages and computer skills; it also lacks of evaluation on the application of digitalization in management, methodology toward Industrial Revolution 4.0. especially, the ability on communicating in foreign languages and different cultures among Vietnamese VET teachers, managers, students and international experts have led to difficulty in understanding each other and progress. During implementing international transfer projects such as the Project 761, there was lack of initial agreement and consistency in the list of key occupations in which some were considered not close to reality and future requirements. The network of vocational training institutions fluctuated due to the implementation of restructuring policies in the spirit of Resolution No. 19-NQ/TW of the 6th Plenum of the 12th Central Committee on continuing to renovate the organization and management system. This is when schools being invested into high-quality schools merge with training institutions with weak training capacity, it will lead to shared resources and not enough to meet the original target requirements. Schools invested to provide high-quality vocational training have a mission to lead, spread and influence the whole system while the system needs to focus on developing the number and scale of training. This becomes a big challenge in the context and conditions of Vietnam. Another major concern was that the complicated from the board management of different ministries and function has led to conflict and slow reaction of VET providers.

- The gap between the rich and the poor among the population groups and the uneven development between localities continue to be the cause of the lack of equality in education access opportunities and the gap in education quality among learners and regions. This is a difficulty for international cooperation in VET.

- There is still prevention from subsidized thinking, cognitive inertia, and bureaucratic behavior in dealing with vocational education of many levels and sectors, teachers and vocational education administrators, who cannot keep up with the rapid development of socio-economic, science and technology; the sickness of achievements, vanity, and pursuit of qualifications among cadres and people is slow to be overcome. This is a difficulty of developing VET and limits to international cooperation.

- The gap of development in socio-economic, science and technology, education and training between Vietnam and advanced countries in the region and the world tends to increase. Facing a dynamic and rapidly changing labor market in the process of economic development and international integration, still many VET institutions have not changed to keep up with the requirements. The strategic objective of vocational training in the period 2011-2015 is to train about 9.6 million new skilled workers, but the implementation result was only 9.1 million people, of which enrollment at vocational intermediate level and vocational college is only 53 % plan; annual enrollment of intermediate professional level was reduced by 15%/year. The structure of vocational education enrollment was still inadequate, mainly at the elementary level and under 3 months (accounting for 88%), the intermediate level and college level only accounted for about 12%.

- The imbalance in the structure of training professions between regions, has been slowly overcome and not met the human resource needs of the society. Vocational education enrollment is difficult, especially in heavy and hazardous occupations and professions. Implementation of high-quality vocational training (Project 761 of key vocational development, high-quality vocational schools and piloting international and regional vocational training under the transfer program
The network of vocational education institutions is still inadequate, not properly distributed among regions, not planned for each industry, profession and level of training. The construction and development of a contingent of teachers and vocational education administrators has not been given due attention. The number of teachers and administrators is both redundant and insufficient. The structure of vocational training for VET teachers is not reasonable, some occupations do not have basic trained teachers, vocational skills are limited, and the percentage of integrated teachers is still low compared to the requirements of the training program. Foreign languages and computer skills of VET teachers are still weak, limiting their ability to update new technologies, to apply informatics and modern pedagogical methods. The ability of VET teachers to develop programs, compile curricula, and vocational training materials is still limited. In international cooperation in the field of VET, although having access to new knowledge, new technologies, modern vocational training models, expanding experience exchange, having opportunities to approach and attract external resources for the development of VET, the general capacity of Vietnamese VET teachers has not met and promptly adapted to the requirements set.

Facilities and equipment of many VET institutions have not met the requirements. Vocational training programs and textbooks still have many formal contents, which have not been regularly updated and supplemented to suit the requirements of the labor market. The training quality and effectiveness of many vocational education institutions are still low, not organically linked to the human resource needs of each branch and each locality; the relationship between vocational education institutions and enterprises is still loose; students and graduates are still weak in foreign languages and soft skills. National vocational skills standards are slow to be promulgated; quality does not meet the requirements of enterprises and the labor market.

The number of VET institutes in enterprises is still small and unable to meet the demand for skilled labor of the enterprises themselves. The relationship between VET institutions and enterprises is still weak (both in terms of responsibilities and interests), in fact, schools still mainly train according to their "supply" capacity and not really provide training according to "demand" of the business. Many schools only train the basic knowledge and skills that the market really needs.

The cause of industrialization and modernization of the country and international integration requires high-quality human resources, while the national resources and the ability to invest in education of the State and the majority of families are still inadequate and limited. The quality of human resources is still low, posing heavy tasks and great challenges to the development of education and training. The ongoing strong integration process also poses challenges for VET institutions. Experts have pointed out that in order to survive and develop, VET institutions need to constantly change to improve their competitiveness to attract students and international investors in human resource training cooperation. Along with the strong development of Industry 4.0, recruitment needs will change. This is the challenge of VET institutions, who want to be able to be autonomous and stand firmly in the context of fierce competition, must develop in the direction of expanding cooperation with other countries having good training programs in the region and the world.

4. CONCLUSION

Vietnam has been engaged in international transfer since early and get along with its VET development so that the need of labor market demand can be satisfied due to world revolution of industrialization and internationalization. International transfer projects happened in VET help the VET system develop in a better way with impacts clearly seen in terms of providing and improving more qualified curriculums, quality of trainers and teaching methods, building and enriching key resources for VET providers and satisfying the need of industry via stronger relationship among government, VET providers and enterprises.

In general, VET development with its international transfer projects plays an important role in supplying human resources for growth, increasing labor productivity, and helping Vietnam escape the “middle income trap”. In the last three years, vocational training has undergone many successful innovations. Enrollment results are twice times higher than the previous period. Most VET schools, especially in key economic regions and urban areas, have escaped the difficult situation of enrollment to begin restructuring, improving training quality and increasing their scales. Last but not least, international transfer projects in VET have been giving impacts for the Vietnamese government toward renewing the legal framework and supporting policies of the government to renovate and integrate into the world in training, improving the quality of vocational teachers and raising awareness of parents and students about vocational training pathways and job opportunities.
Our study also shows that to deal with existing weaknesses in order to implement international transfer projects better in VET, it is recommended that:

- There should be more strategies and policies from VET providers to attract more talents who have knowledge and experiences internationally and to develop in the direction of expanding cooperation with other countries having good training programs in the region and the world.

- Teaching Vietnamese language to overseas Vietnamese and foreigners in Vietnam and attracting overseas Vietnamese to participate in domestic teaching in VET;

- Implementing autonomous mechanism is a breakthrough step which can help VET providers since it is seen as the key to the innovation of vocational education, helping to address current as well as future problems in the system of vocational education.

- There should be more activities in researching and applying standards of countries in the region and the world to develop training standards, facilities’ standards, standards of teachers, lecturers, quality management standards; in developing national and international vocational skills standards which are recognized by countries in the region and worldwide; in conducting skills assessment and vocational skills recognition between Vietnam and other countries in the ASEAN region.

- It is necessary for reviewing the network of Vietnamese VET institutions, including those in the planning for high-quality schools and schools reaching regional and international levels. It is also a must to review and re-evaluate the integration progress of 45 VET institutions that have been oriented to focus on investing in high-quality schools and schools planned for key occupations at ASEAN and international levels; and to review of planned ASEAN and international occupations in intermediate schools and colleges with training criteria and standards approaching the level of advanced countries in the region and the world.

- Continue to receive transferring of recognized 72 sets of international-level programs from abroad, which are accredited by the transferring country or by a reputable international education and training organization, which is accredited and recognized to be of international quality; organize pilot training at college level for 32 key international occupations; develop 25 sets of specialized English programs for occupational groups at national, ASEAN and international levels; develop software to simulate the practice of a number of curricula for key occupations at the national level;

- Provide training and fostering teachers towards international standards; the teachers and administrators of the international transfer programs must meet the teacher standards of the transferring countries and be recognized by the transferring countries; Organize the transfer of teacher training programs on international pedagogical skills and professional skills of 45 high-quality schools; provide training and fostering managers to approach international standards, towards professional managers.

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