

Developing human resources to meet the requirements of socio-economic development in Vietnam

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Abstract: Human resources, especially high quality human resources play an important role in development of the economy and the society. In a globalization circumstance with a strongly development of Industries 4.0, Vietnamese government was focusing in building a highly qualified human resources to satisfy the need of development and globalizations; in which, concentrating human resources for industries with high technology content and added value, improving training quality to meet labor market requirements at home and abroad. However, over the past years, Vietnam has faced great challenges, high-quality human resources have not met the requirements of socio-economic development in the current international integration process. Therefore, it is necessary to have a system of solutions deployed synchronously in order to develop more high-quality human resources to meet the development requirements of Vietnam in the international integration process.

Key words: Human resources, socio-economic, globalization, Vietnam.

1. Introduction

High-quality human resources are an integral part of the country's human resources. Developing high-quality human resources, in essence, is developing and perfecting the employees with professional and technical qualifications for a specific profession, according to the criteria of labor classification. of certain professional and technical qualifications; have good professional skills and the ability to adapt to the rapid changes of production and business technology; have good health and quality; able to apply creatively the knowledge and skills that have been trained in the production process in order to bring high quality and efficient labor productivity. They are those who master modern scientific and technological knowledge, have creative thinking, have good practice skills, have industrial style, have an organization and discipline, have good health, contribute to extreme and effective causes of national construction and defense. Therefore, investment in human resources is investment for development in the process of international integration, as Vietnam has affirmed: "Developing and improving human resources, especially high-quality human resources is a strategic breakthrough, is the decisive factor to promote the development and application of science and technology, restructure the economy, transform the growth model and the most important competitive advantage, ensure the rapid and effective and sustainable development"(The Communist Party of Vietnam, 2011: 130).In the process of international integration, the development of high-quality human resources has positively contributed to economic restructuring, increased labor productivity, helping Vietnam escape the "middle income trap", step by step ensure the life of workers. However, the economy is still mainly developed in width, economic growth depends heavily on factors of capital, resources, and low-skilled labor, not relying much on knowledge, science and technology, skilled labor. Labor productivity has been slowly improved, much lower than in some regional countries; The quality of human resources is low, the labor structure shift is not corresponding to the shift of production structure, it is necessary to have a system of more comprehensive and comprehensive solutions in the coming time. This is also the main content of this article.

2. Overview about human resources in Vietnam

Currently, the biggest advantage of Vietnam is its abundant workforce and young labor structure. According to the General Statistics Office (2020), Vietnam has about 94 million workers, of which the labor force aged 15 and over accounts for about 55.7 million people. The proportion of employed workers aged 15 and over in 2019 is estimated at 54 million people, including 18.8 million people

working in agriculture, forestry and fisheries (accounting for 34.5%); 14.4 million people in industry and construction (accounting for 26.7%); service sector 18.7 million people (accounting for 37.8%) This is a favorable condition for Vietnam to rotate labor in the region and the world in the integration process.

About human resources quality. Labor quality in Vietnam in recent years has also been gradually improved. The proportion of workers aged 15 and over who are working with trained training increases from 12.5% in 2005 to 14.6% in 2010, and 19.8% in 2019. In terms of professional qualifications The technical skills and qualifications of the employees tend to increase at all training levels including vocational training, professional intermediate, college and university and higher (Table 2). In particular, the number of employees with college and university degrees or higher increased even more. If in 2010, the number of employees with college and university degrees or higher was 8.7% in 2015, in 2019, these rates would be 10.6% respectively. The trained labor has partly met the requirements of the business and the labor market. Vietnam's technical workforce has mastered science and technology, and can handle most complex positions in production and business that previously had to hire foreign experts.

About productivity. Along with the improved quality, the labor productivity of Vietnamese workers has also improved in recent years. Statistics show that labor productivity has increased from 44 million VND / employee in 2010 to more than 2 times, reaching 102.2 million VND / employee in 2018. On average, labor productivity in the period 2016-2018 increased by 5.77% / year, higher than the 4.35% / year rate of the period preceding 2011-2015; and for the whole period 2011-2018, labor productivity increased on average by 4.88% / year. With such speed, Vietnam has gradually narrowed the gap with other countries in the ASEAN region. If in 2011, labor productivity of Singapore, Malaysia and Thailand was 17.6 times, 6.3 times and 2.9 times higher than Vietnam's labor productivity, by 2018, this gap have been narrowed down to 13.7 times, 5.3 times and 2.7 times, respectively.

According to the 4th annual assessment report on the progress of SDG implementation by the United Nations Sustainable Development Solutions Network (UN) and Germany's Bertelsmann Stiftung Foundation just announced in July 2019, Vietnam increased by 3 level compared to 2018 in achieving sustainable development goals, the quality of human resources in Vietnam ranks 11/12 countries in Asia (Minh, 2020).

This is partly due to the introduction of a human resource development program that promotes support for startups and private enterprises. The innovative start-up ecosystem in our country has begun to grow. At the same time, the Government of Vietnam has selected 251 professions and trades in 49 key industries and occupations at all levels of 45 schools to support investment, of which 154 occupations in 27 international careers, 60 occupations in 18 occupations and occupations at ASEAN regional level and 37 turns in 28 occupations at national level and schools have received transfer of training for 34 international key occupations (12 occupations from Australia- a, 22 occupations from Germany). The current training scale of the international transfer system is 2,000 students. Graduates will be awarded with Australian or German associate degrees; 682 lecturers were trained synchronously at home and abroad; 45 schools have been assessed by international partners to meet the standards for training organization.

Along with that, the schools meet the quality accreditation standards in the country. In which, 21 schools operate the UK quality management process, 8 international accreditation pilot schools have basically met the standards assessed by British and German experts. Large corporations and enterprises have been interested in and directly participating in vocational training, such as Vingroup, Sungroup, FPT, Samsung, Muong Thanh, Thaco, FLC ... Investment projects with high quality human resources have been basically met. Cooperation between enterprises and schools is strengthened in the direction of increasing in-company training, custom training ... Most of the high-quality training programs have over 30 in-company training duration %, practice time is over 50% of the program.

In 2020, employment in Vietnam will continue to grow. Among them is the shift from using simple labor groups to highly skilled groups. This is a positive and inevitable transition according to the trend of economic development. According to FALMI statistics, out of 110,172 turns of people wishing to find jobs in 2020, up to 94.78% of trained workers. In which, university and higher accounted for 66.57%, college accounted for 15.82% and intermediate level only 6.72%. These rates are mainly concentrated in the fields of finance - banking, accounting, IT, business administration, management

and operation and marketing - public relations. Demand for job hunting in untrained workers accounts for a very modest proportion. Specifically, the rate is 5.22%, primary vocational - technical worker with 5.67% (Kizuna, 2020).

Thus, in the process of international integration, the quality of Vietnam's human resources has been improved more than before, most clearly reflected in the improved labor productivity of the whole society, creating good growth and improving the competitiveness of the economy and the national potential. Contributing significantly to the supply of human resources for growth, increasing labor productivity, helping Vietnam escape the "middle income trap".

3. Challenges for human resources to meet the requirements of socio-economic development in Vietnam

The development of high-quality human resources in Vietnam in the international integration process still faces many difficulties and challenges, including:

Firstly, population aging. One of the top concerns for human resource development in Vietnam today is identifying the challenges brought by the population age structure shift. Vietnam has now entered the population aging stage, we are also one of the countries with the fastest population aging rate in the world, reflected in the increasing proportion of the elderly in Vietnam. In recent years, at the same time, the population entering the workforce has steadily declined each year, heralds a decline in the workforce in the near future. The labor statistics in Table 1 show that, if in 2005, the labor force aged 15-24 was about 9,168,000 people, accounting for about 20.42% of the labor force aged 15 and over of the whole. By 2019, the number of employees in this age group has decreased to only 7,159 thousand people, equivalent to 12.8%; Meanwhile, the number of employees aged 50 and over in 2005 was 7,304 thousand people, equivalent to 16.27%, by 2018, this number had increased to 14,299 thousand people, equivalent to 25.7%.

Second, the quality of training. In recent years, although the quality of human resources in Vietnam has improved significantly over time, there are still many limitations.

First, the quality of workers still has a large disparity between regions, especially between urban and rural areas. Although the gap in qualifications and skills of workers in these two regions has narrowed over time, at the time of the survey in 2019, the proportion of workers aged 15 and over is currently working. Trained jobs in urban areas are still 2.66 times higher than those in rural areas.

At the same time, qualified human resources and skilled workers have not yet met the market demand. Although the proportion of workers aged 15 and over who are working with training has increased, but in general is still low, accounting for only 19.8% in 2019. Among the skills, language proficiency, Specifically, Vietnamese English is still poor compared to workers in many countries in the region, so Vietnamese workers often encounter more difficulties in the integration process, thereby indirectly affecting competitiveness of the economy.

Besides, there is still a large difference between professional qualifications and practical skills in practice, reflected in the fact that workers still need time to adapt, train, and additional training to be able to achieve their highest labor efficiency in an industrial environment. Not only that, the actual feedback from many enterprises also shows that the responsiveness of skills due to technology changes of workers in enterprises is still low. Currently, in companies, mechanical factories, and positions requiring high technology are often undertaken by foreign workers. Not only that, the gap between vocational education and market demand is still very large. Every year, thousands of students graduate from school. However, enterprises are still in a labor shortage in many positions (Kizuna, 2020).

By 2020, Vietnam has up to 75% of the workforce in small and medium enterprises that has not yet received technical or professional training. Meanwhile, human resources are considered as a key factor in the sustainable development of businesses. The quality of human resources in Vietnam is 3.79 points (out of a 10 point scale), ranked 11th out of 12 countries surveyed in Asia. While Korea reached 6.91 points; India reached 5.76 points; Malaysia reached 5.59 points (Minh, 2020). Thus, our country's human resources still lack quality, lack of dynamism and creativity, industrial style.

In the context of the industrial revolution 4.0 and the openness of the economy, business administrators are forced to quickly adapt in all aspects, in which the selection, arrangement and training of human resources bring efficiency business is more and more active and interested in businesses.

Meanwhile, according to the Center for Forecasting Manpower Demand and Labor Market Information City. Ho Chi Minh City (Falmi), the demand for human resources in businesses is now developing towards attracting high-qualified human resources, trained human resources up to 82.92%. In which, the demand for human resources with university or higher degree accounts for 12.46%; college accounts for 17.04%; intermediate level accounts for 26.04%; primary vocational - skilled technical workers account for 27.38%.

Thirdly, Human resource training is being affected more and more by international integration and the industrial revolution 4.0, especially drastically changing the labor structure and the labor market. The automation system will gradually replace manual labor throughout the economy. At the same time, the shift from worker to machine will increase the difference between return on capital and return to labor, which will affect the income of simple labor and increase unemployment. According to estimates by the International Labor Organization (ILO), up to 86% of the workers in Vietnam's textile and footwear industries are at high risk of losing their jobs under the impact of technological breakthroughs caused by the industrialization. 4.0. This risk can translate into a small number of losses when industries such as Textile and Footwear have created a large number of jobs for domestic workers, requiring breakthrough solutions in vocational training, from renewing the legal framework and supporting policies of the State to innovation and international integration in training, improving the quality of vocational teachers and raising awareness of parents and students on the roadmap apprenticeship and job opportunities for vocational human resources.

4. Solutions for human resources to meet the requirements of socio-economic development in Vietnam

Firstly, focusing on building and completing an overall strategy, system of mechanisms and policies on developing high-quality human resources: Developing an overall strategy for developing high-quality human resources is a policy. Large and important task, requiring careful research, careful with breakthrough thinking and a long-term vision, consistent with reality. The strategy must clearly define the objectives, scale, roadmap and overall mechanisms and policies. In particular, the strategic goal must prioritize overcoming the conflicts between the development of quantity, quality and structure; determine the size, quantity and structure of each type of human resource accordingly. The strategy also develops a reasonable, highly predictable implementation roadmap, develops and completes specific mechanisms and policies to develop comprehensive and synchronous high-quality human resources. It is necessary to clearly define this is the central political task of the entire political system, in which it is necessary to soon unify awareness among socio-political associations, first of all, the core force that is directly operating in the field of research and strategic planning, policy, the impact of opportunities and challenges for our country since the industrial revolution 4.0.

The renewal and completion of mechanisms and policies to create a driving force for the development of high-quality human resources must be done synchronously in many aspects such as education - training, science - technology, environment. employment, employment, income, social security, insurance, social protection, health care, labor market development, housing, living and settlement conditions... The State should continue to renovate institutions, perfect the legal corridor from the central to local levels in order to create a favorable environment for human resource development, and encourage the development of the high-quality human resource market; market and products of science and technology in the direction of integration, building a legal environment for the development of new business lines in Vietnam are starting to arise from the Industry 4.0.

Second, there is a close connection between the training process with the training and the use of highquality human resources. The Government of Vietnam affirms: "Develop human resource development strategies for the country, for each industry, each field, with synchronous solutions, in which focus on solutions to training and retraining of resources human resources in schools". This poses a very high requirement for high quality human resources. Therefore, training institutions must always attach great importance to good management of the quality of "output products" through the forms of assessing trainees' ability to practice in the training process, reviewing training results, graduation results ... instead of the current "input product" management.

Training institutions also need to equip students and graduate students with necessary skills such as communication, research of foreign documents, use of information technology, creativity, adaptation, and grasping the development trend of the society ... to ensure the close connection between training and use, to meet the set requirements. The selection of sources for training and retraining not only

places an emphasis on awareness criteria, but also attaches great importance to foreign languages, informatics, political bravery, professional ethics, and leadership capacity direction, management.

At the same time, to approach international standards and strengthen international cooperation in vocational training. Formulate and promulgate quality assurance conditions in vocational training towards approaching regional standards of ASEAN4 and developed countries in the G20 group; building a comprehensive, complete and reliable database on vocational training in order to well serve research and statistics related to the quality of vocational training and human resources; encourage and support pilot vocational training institutions to implement training programs transferred from abroad to draw experience for mass deployment, creating international-standard human resources for the domestic market and internationally.

Thirdly, improve the quality of education and training at all levels, especially universities and colleges

This is an important solution that has decisive significance to the creation of high quality human resources in our country today. Right from the school level, especially the high school education, teachers and students' parents must orient their children's future in choosing a career that is suitable to their own abilities and strengths. Since then, focus on training and fostering in-depth in a field or field that I love, having full knowledge and skills after completing the course.

In particular, in the current digital era, universities also need to research and add vocational training majors in ICT, blockchain, artificial intelligence (AI) to meet the demand human resources in Industry 4.0. In addition, another fact shows that Vietnamese workers are still limited in possessing soft skills, foreign language skills, teamwork, information technology skills and creativity. Many employees have been trained, but when working, they still do not meet the requirements, causing the employer to take time to retrain. Therefore, one solution is to equip students with soft skills right from the university, by including soft skills in training programs and output standards for students. Not only that, it is necessary to encourage and promote students' self-study, increase practical teaching from experts, entrepreneurs ... not only 100% of knowledge is teaching teachers.

The reality of high-quality resources in our country is not much, mainly the average resource, that is, labor at the general education level, simple, skilled workers are very few. Therefore, most of the production and use of technology, machinery and equipment are imported from abroad, consult with foreign experts to support. Accordingly, conducting a review of training programs in schools; increase time for practice, reduce time to study theory; associating the training process with internship activities, sightseeing, embarking on work in each training discipline; promote cooperation activities, joint ventures, links between schools, training majors together, especially with businesses, manufacturers, investors, companies; recruiting students for training must ensure the quality, not chase the quantity; Educational institutions need to further develop into high-quality occupations: digital fields, information technology, energy, new materials, biotechnology ... to help employees have can be mastered when the digital revolution explodes today.

Forthly, link vocational training with the labor market, sustainable jobs and social security. To promote cooperation between vocational training institutions and job introduction centers, job exchanges and job fairs to assist learners in finding jobs after graduation; to attach importance to linking training with sending workers abroad; enhance communication, raise people's awareness of vocational training opportunities and roadmap, job opportunities and career roadmap for vocational human resources, contribute to promotion and enrollment for vocational training institutions ; constantly update new job skills requirements and new vocational recruitment trends, build a portfolio of vocational skills for both present and future as a basis for design, update vocational training programs in accordance with practice; increase information about vocational training programs targeting vulnerable groups, such as ethnic minorities, the poor, out-of-school adolescents, people with disabilities, ... to create access opportunities apprenticeship and jobs for all subjects in society, not leaving anyone behind.

5. Conclusion

Developing human resources is an inevitable trend and requirement of Vietnam today. That not only creates a premise and material and technical foundations for socio-economic development in general, but also to continue promoting international integration in the context of the 4th scientific and technological revolution strong impact on nations and peoples. High-quality human resources, with a reasonable quantity and structure, rich in intelligence, rich in will and aspirations, with illuminating

revolutionary ideals, will be the driving force for Vietnam to basically become a country soon industry in the direction of modernity, to meet the requirements of the 4th Industrial Revolution which is taking place strongly today. Therefore, it is necessary to have breakthrough and practical solutions to develop human resources.

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