

Supporting High-Quality Technical and Vocational Education and Training (TVET) Institutes

Programme “Reform of TVET in Viet Nam”



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Context

Viet Nam's dynamic economic development is reflected in its transformation from one of the world's poorest nations to a lower middle-income country. However, this success is put at risk by increasing consumption of resources, environmental degradation and a significant shortage of skilled workers. Currently, only 26% of Viet Nam's labour force has a professional qualification (General Statistics Office 2021). The technical and vocational education and training (TVET) sector in Viet Nam is not yet capable to meet the current and future demands of Viet Nam's growing economy. To overcome these challenges, the Programme “Reform of TVET in Viet Nam” is supporting eleven TVET colleges to become High-Quality TVET Institutes (HQTIs) that provide demand-oriented training. The Programme “Reform of TVET in Viet Nam”, is financed by the German Ministry for Economic Cooperation and Development (BMZ) and implemented by Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) together with the Vietnamese Directorate of Vocational Education and Training (DVET).

Approach

Selected TVET colleges are supported by the Programme to become HQTIs in the occupations of mechatronics, industrial electronics, metal cutting, construction mechanics, electronics

for energy and building technology, mechanics for sanitary, heating and climate technology and sewage engineering. International technical experts are embedded in the partner colleges to advise the managers and teachers on organisational and technical topics, especially designing and implementing practical, demand-oriented training programmes in close cooperation with enterprises. Moreover, the consultations focus on introducing and organising in-company training phases as well as implementing examinations with the involvement of assessors from the industry.

HQTIs will provide different services to improve the Vietnamese TVET sector and the employability of the workforce. They have started to offer high quality initial and further training programmes based on international standards in close cooperation with the industry. Moreover, each supported HQTI will fulfil additional functions for the TVET system, such as:

- Further training for TVET teachers of other TVET institutes.
- Further training for skilled and semi-skilled workers, as well as unemployed and disadvantaged people.
- Advisory services for management personnel of other TVET providers to develop and implement labour-market relevant training offers.

- Act as a hub for national and international TVET networks.
- Support TVET innovation and applied TVET research activities.
- Prepare students to participate in the WorldSkills competition.
- Act as an assessment and certification center.

Results

The Programme supports the management of the partnering TVET institutes to strengthen their provision of high-quality training and additional TVET functions for the TVET system.

The partner TVET institutes, together with the industry, have developed seven initial training programmes and further training courses for technical occupations that are aligned with Vietnamese requirements and regulations and international/German standards. These training programmes and courses are flexibly used for the implementation of cooperative training at TVET institutes and in enterprises and for further training courses for workers and job-seekers.

At LILAMA 2 International Technology College (LILAMA 2), the new training programmes for mechatronics, industrial electronics, metal cutting, and construction mechanics are successfully implemented. At the College of Technology II, Ho Chi Minh City (HVCT), a demand-oriented training programme for sewage engineering is offered. At the College of Machinery and Irrigation (VCMI), trainees are trained in electronics for energy and building technology and mechanics for sanitary, heating



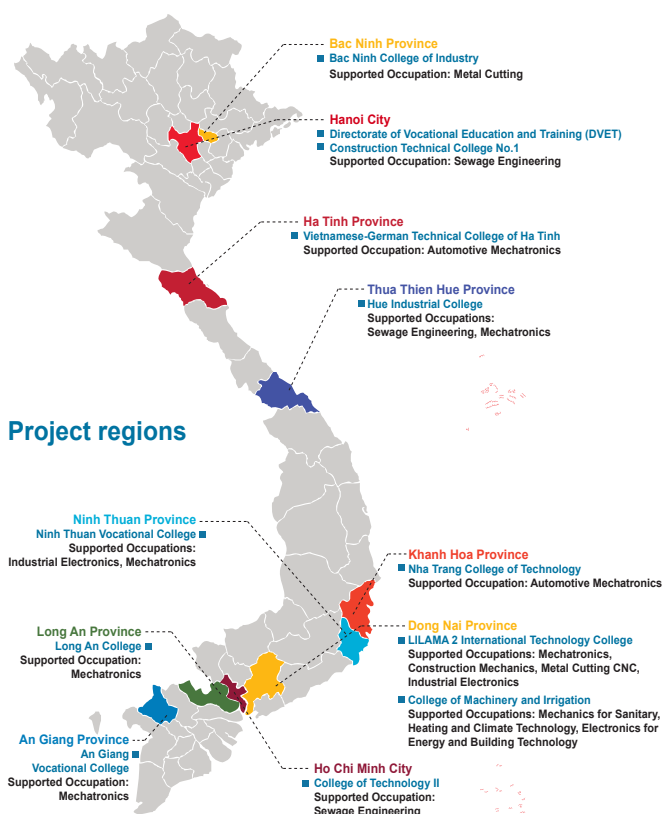
Metal Cutting trainee in the Computer Numerical Control workshop at LILAMA 2 International Technology College.

Photo credit: Quinn Ryan Mattingly

and climate technology. At Ninh Thuan Vocational College, further training modules for installation and maintenance of solar systems and wind power stations are developed.

In addition, the TVET programme is supporting further TVET institutes (Ninh Thuan Vocational College, Long An College, An Giang Vocational College, Bac Ninh College of Industry, Vietnamese – German Technical College of Ha Tinh, Nha Trang College of Technology, Hue Industrial College, Hanoi Construction Technical College No. 1) to implement the new training programmes based on international standards at their institutes and partner companies.

To enable teachers to offer high-quality training, until June 2021, more than 500 teachers and managers have been trained, and improved their theoretical knowledge, practical and pedagogical skills, as well as examination skills. In addition, 85 managers were trained to ensure the implementation of the cooperative training approach. From partner enterprises, 71 in-company trainers are qualified to introduce, improve and provide structured in-company training. 33 examiners from companies are trained to ensure the industry's participation in examinations. So far, 16 industry advisory boards have been established at partner institutes to guarantee an institutionalised, regular exchange among all stakeholders including representatives of enterprises and trainees, sector associations, provincial authorities, the DVET and TVET institutes to improve the training.



Programme	Reform of TVET in Viet Nam
Commissioned and financed by	Federal Ministry for Economic Cooperation and Development (BMZ), Germany
Implementing organisation	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Lead executing agency	Ministry of Labour - Invalids and Social Affairs (MoLISA), Viet Nam
Duration	2020 - 2024

Published by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Registered offices Bonn and Eschborn, Germany

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As at June, 2022
Printed by Programme "Reform of TVET in Viet Nam"
Design Nguyen Minh Cong (GIZ)
Photo credits GIZ, Nguyen Minh Cong, Freepik, Quinn Ryan Mattingly
Text Programme "Reform of TVET in Viet Nam"
GIZ is responsible for the content of this publication.
On behalf of Federal Ministry for Economic Cooperation and Development (BMZ)
In cooperation with Ministry of Labour - Invalids and Social Affairs (MoLISA)