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DIGITAL LEARNING MATERIALS FOR TVET (DLM4TVET)

TVET goes digital

Opportunities and Challenges

The digitalisation of education including Technical and Vocational Education and Training (TVET) is a global trend that started long ago. The global COVID-19 pandemic has accelerated the shift to digital learning and teaching in education. In Cambodia, like in many other countries around the globe, the COVID-19 pandemic revealed the vulnerability of education and skills development systems and led to great efforts to making the systems more resilient. The shift to using digital learning materials and tools has accelerated. Even in times of a pandemic and the closure of schools, digital learning materials and tools are available and accessible - supporting teachers in their teaching and learners in their learning.

The digitalisation of TVET holds many advantages that should be harnessed without forgetting about the challenges (e.g. the digital divide, privacy or dependencies and increasing profit orientation in education).

Digitalisation of TVET can make skills development more inclusive. It increases demanded digital literacy and therefore better prepares young women and men for the labour market and the future.

Objectives

The project aims to support the Ministry of Labour and Vocational Training (MLVT), the lead ministry for TVET in Cambodia, and other partners to advance and coordinate the digitalisation of the TVET system. Valuable experiences and capacity will be gained for the development of high-quality digital learning and teaching materials for TVET.



Project name Digital Learning Materials for TVET

Funded by Liechtenstein Development Service (LED)

Project region Cambodia

Cooperation partner Ministry of Labour and Vocational Training (MLVT)

Duration Jan 2023 – Dec 2024

Budget USD 550,232



Approach and Key Activities

The project takes a holistic, systemic approach that is aligned with the strategies of the Cambodian partners and supports them in achieving their development goals. Therefore, the project focuses on the following areas:



Establishment of a National Technical Working Group on TVET Digitalisation

The MLVT will be supported in the challenging task of coordinating the various ongoing and planned initiatives on digitalisation of the TVET system, involving a wide range of stakeholders. A functioning National Technical Working Group (NTWG) on TVET Digitalisation will improve communication among different stakeholders. The MLVT will be better able to manage and consult more effectively on all efforts and available resources – whether national or international. Duplications or

overlaps can better be avoided, gaps identified at an early stage and interoperability of applied digital technologies maximised to achieve better outcomes of digitalising TVET. The NTWG will include the six departments of the Directorate General of TVET of the MLVT, the National Technical Training Institute (NTTI), selected TVET institutes, Development Partners (DP), NGOs and private sector representatives.



Enhancing capacities for the development of digital learning and teaching materials

The project will strengthen capacities of key stakeholders in TVET to develop digital learning and teaching materials. Master trainers from the National Technical Training Institute (NTTI) and selected Technical Training Institutes (TTIs) will be trained for this purpose, creating a pool of future experts for the development of digital learning and teaching materials.

The further trainings will include modules on e-learning pedagogy and methodology. Therefore, the project works closely with the Skills Development Programme (SDP) funded by the Swiss Agency for Development and Cooperation

(SDC), building on, using and extending previous successes in building teacher capacity in e-pedagogy and methodology.

The master trainers will be able to facilitate, advise and support processes of developing digital learning materials and strengthen their capacities for that purpose.

The project will reflect and discuss with the MLVT the question of institutionalising these competences and expertise in the TVET system. The search for a good, sustainable solution for the continuous development and update of learning materials in TVET will be facilitated.



Development of digital learning and teaching materials in TVET

The process of developing digital learning and teaching materials will be piloted for two selected occupations in the field of electricity and air conditioning repair. Thus, best practices, knowledge and experience on mechanism and procedures for developing digital teaching and learning materials are gained for future efforts.

Representatives from MLVT, NTTI, selected TTIs, relevant NGOs and the previously trained master trainers will participate in the development process.

The production of videos, animations, slide presentations, etc. for selected modules/learning aspects of the respective occupations will be supported by external service providers where necessary.



Introduction and use of the newly developed digital learning and teaching materials at TVET schools

The newly developed or upgraded digital learning materials will be introduced and piloted in selected TVET schools under the MLVT. The teachers will be trained and coached by the

master trainers to use the newly developed or upgraded digital materials in the classrooms.

Open Access for All

All learning and teaching materials will be made available on the TVET e-learning platform and can be used by all TVET institutes in Cambodia. The possibility of making the materials available on other existing e-learning and open access platforms in Cambodia will be explored.

All materials developed will be in the public domain or under a creative commons license to benefit all and to promote equal access to quality learning.