

**Multidisciplinary, Project-based  
Digital Learning Content for VET**



## Repository of Re-usable Digital Micro-learning Content for VET

### Why do we need micro-learning materials?

A few decades ago, teachers all taught from standard textbooks, there was no expectation to write coursework alongside teaching, apart from shorter assignments, tests and homework for students. The digital age has brought a fundamental change in this area, especially in the vocational education, where new technological innovations appear every day in each economic sector.

One of the biggest challenges facing vocational education and training in the 21st century is undoubtedly how to provide students with up-to-date curriculum, since it is impossible to keep up with the pace of technological change with traditional textbooks.

Those vocational instructors who undertake this are forced to create their own digital micro-learning material, videos and presentations, which, in addition to their daily work, often puts a serious strain on them. Creating and editing these materials in a creative, interactive format might be highly time-consuming for educators beside their daily routine.

Collaboration and knowledge sharing among teaching staff have always been important, but today they are essential. Keeping up with the incredibly fast-changing digital world, meeting expectations alone, knowing that students need to be prepared for professions that don't even exist yet, transitioning from the role of a knowledge transmitter to a facilitator, and navigating the vast sea of new digital tools – this is an almost impossible task to accomplish alone. Innovation and the effective use of new digital tools become much easier when colleagues – such as IT teachers, subject teachers, and language teachers – join forces and share their experiences and ideas with each-other.

The solution requires a fundamental change of attitude in the teaching community: without sharing digital content among themselves, without continuous "recycling", without cooperation in curriculum development (also with students!), the chances for transmitting up-to-date knowledge are minimal.

A possible answer to this challenge is the web application developed by the VETProfit consortium for sharing digital micro-learning materials. A repository of reusable digital micro-learning content is of great benefit in vocational education and training for several reasons: it enables the efficiency of teaching and time saving of teachers as they can reuse digital microlearning content already created and verified. So, teachers and trainers do not need to create a new content from scratch each time, saving time and resources.

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### Browse micro-learning content

Sort by ▾

Order ▾

Language(s) ▾

Type(s) ▾

Interactive ▾

Learning objective(s) ▾

Sector(s) ▾

Target grade(s) ▾

Items per page 20 ▾

prezentáció — 2024. 10. 8. 11:48:42

**Távérzékelés**

Láng-Veres Zsófia

0

Text — 2024. 10. 8. 09:51:21

**Responsiver Arbeitsplan Nützlinge per Multicopter ausbringen**

Heide Reimer

1

Projekt — 2024. 10. 8. 09:37:22

**Responsives Projektplan Autonome Hackroboter**

Heide Reimer

1

presentation — 2024. 10. 2. 10:48:51

**Presentation of the responsive project "JAVA back-end application"**

Diego Bernini

presentation — 2024. 10. 2. 10:47:21

**Presentation of the responsive project "PLC applications in Mechatronics Start-ups"**

testo — 2024. 10. 2. 10:22:50

**Progetto didattico "JAVA Back-end Application"**

Diego Bernini

<https://mlc.itstudy.hu/>

In addition, the use of a repository contributes to the standardisation of learning content. In VET, it is particularly important that learning content is standardised and of high quality to meet certain skills and standards. A repository also enables flexibility and adaptability, as learning content can be adapted and expanded as required. New findings, changes in the requirements of the professional world or specific adaptations for different target groups can be implemented quickly.

Consistency in training is ensured through access to standardised micro-learning content. All learners receive the same basic information and training content, regardless of the teacher or trainer. A repository also provides scalability and accessibility as learning content is easily delivered digitally and utilised effectively for a larger number of learners. The VETPROFIT repository offers a wide range of digital learning content such as short videos, interactive exercises, infographics, simulations and podcasts. This content is designed to teach specific vocational skills,

knowledge and competences. Structured organisation by topic, occupational field, learning objective and competence area means that the repository is easy to navigate and search. The content is reusable and can be used flexibly in different learning contexts, which promotes efficiency in the creation of learning materials. Particular attention is paid to quality control, including content accuracy, timeliness, usability and accessibility of materials. Each piece of learning content is provided with metadata and tagged to describe its characteristics, objectives and target

**Co-funded by  
the European Union**

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2

## Multidisciplinary, Project-based Digital Learning Content for VET



audiences, making it easier to search and identify relevant content. The repository can be seamlessly integrated with a learning management platform (LMS) or other educational technology systems to facilitate access and collect usage data for analysis and evaluation. The web platform developed for finding digital micro-learning content is highly extendable.

A key benefit of the MLC repository developed in the VETPROFIT project is the collaboration of five partner

educational institutions that pool their expertise and resources to create and share high-quality learning content. This co-operation creates a comprehensive and up-to-date repository that improves the efficiency and quality of vocational education and training.

To access the repository, use this LINK: <https://mlc.itstudy.hu/en> or /hu, /it, /en. Please note the respective licence conditions and usage guidelines to use the content in accordance with the specifications.



Uploaded micro-learning contents:  
**65**

Last upload:  
**2024-05-03**

Are you a kind of a teacher who wants to get the most out of your classes? Have you created an interesting micro-learning content to engage your students that is good enough to be shared with others? Or, on the contrary, you are the one who wants to be inspired by the works of others and searches for something appealing to boost up your class?

In any case, you are in the right place to serve the needs of your Z-generation students and begin your digital teaching career.

This web platform is a product of the Erasmus + project VETProfit and offers teachers a large set of high-quality and motivating, project-oriented, re-usable micro-learning contents, developed in a multidisciplinary approach and categorized for easier searching.

You can find for example short videos, infographics, images, edited photos and others related to different fields, learning objectives and grades, offering a short, intensive, learning pathway to provide your students with the knowledge and skills required by the labour market today.



## Project basics

**Title:** Multidisciplinary, Project-based Digital Learning Content for VET

**Acronym:** VETPROFIT

**Project ID:** 2021-1-HU01-KA220-VET-000025350

**Partner countries:** Germany, Italy, Hungary

**Coordinator:** iTStudy Hungary Ltd.

**Duration:** 01 November 2021 – 31 October 2024.

**Target groups:**

VET- schools' leadership

VET teachers/trainers

Companies (Agriculture and IT sectors)

**Beneficiaries:**

VET students

Employers

## Aim of the project

The aim of the project is to reflect the needs of the labour market in vocational education and training, to prepare teachers to work with companies to develop project tasks for students and future employees to solve real problems proposed by them. To achieve this objective, the partnership:

## Objectives

- *review the curriculum, learning materials and teaching methods used in the initial training of IT and Agricultural sectors in the partner countries;*
- *train VET teachers of these sectors about the project method, related digital tools, innovative assessment practices and digital content creation;*
- *assign real-life project tasks for VET students, in close collaboration of teachers and labor market representatives;*
- *create a repository of project-based, re-usable, high-quality, motivating digital learning contents with an interdisciplinary approach;*
- *prepare students for successful project implementation by designing and delivering mini-courses for them;*
- *create a model to be published as a guide for teachers of other VET institutes.*

## Partners

iTStudy Hungary IT Education and Research Centre. Hungary

DEULA - Nienburg GmbH, Germany

Fondazione ITS – JobsAcademy, Italy

Association of Hungarian Horticultural Vocational Training Institutions, Hungary

Premontre Vocational High School, Technical School and College, Hungary

Discovery Center Nonprofit Ltd., Hungary

