

Development of the “AI-Powered Teaching for VET” Course

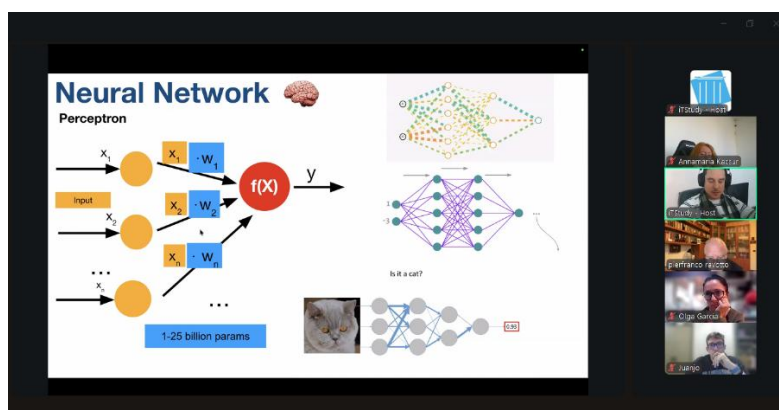
The second work package (WP2) in the VITA – Vocational Education through Teaching with AI – project is the first phase of the 3 Step model that the project is built on: the **school-wide initiation in VET Schools**.

Warming up in the schools

In preparation for the development of the blended course for VET teachers and to tailor and fine-tune it the best for their educational needs, partners implemented the following activities in the partners schools:

- SELFIE self-evaluation by teachers (A1);
- Introductory webinar for introducing the fundamentals of AI and its relevance for VET;
- Workshops (A2) with company representatives in the schools to gain insights and ensure that the approach reflects real labour market needs.

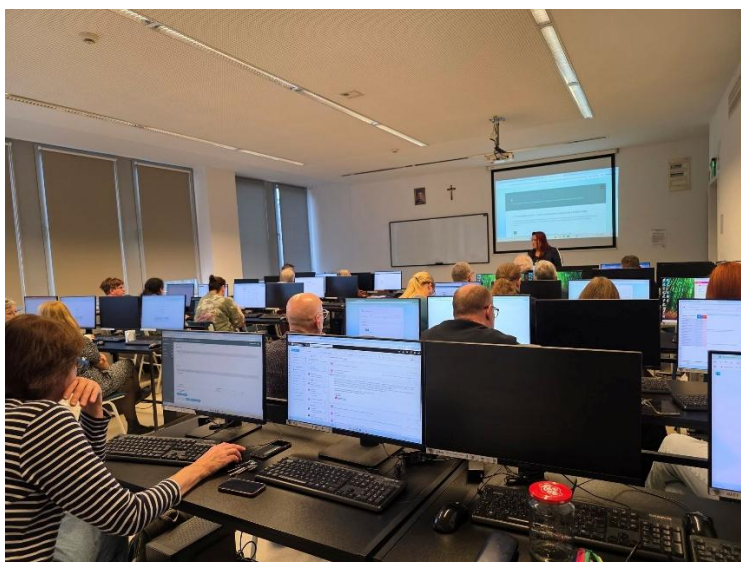
For the self-evaluation of teachers an extended version of the EU SELFIE tool was applied, specifically adapted to include AI-related skills and competences. A total of 94 teachers from the 4 partner schools participated in the survey that revealed their competences in 6 areas and their proficiency level in AI.



The next preparational activity was the webinar by the expert partner ITStudy delivered to mentor teachers on the history and key concepts of AI.

Finally, 2 rounds of workshops were organized in each partner school, one named “Company consultations” and another named “Teachers’ learning needs for applying AI in teaching practice”. While company consultations helped gain insights and ensure that the approach reflected real labour market needs and relevant to the industrial sectors, the second round of workshops utilized the results of the teachers’ self-evaluations and the company consultations and provided real

input to the curriculum design and content development of the “AI-Powered Teaching for VET” course. The total number of participants in the 4 countries was 166.



A workshop in SZÁMALK, Hungary

Curriculum design

These activities resulted in important data that were harvested and analyzed by the WP leader, AICA. To define an effective curriculum for the blended course for teachers, the following formative expectations emerged:

- Blended and modular methodology: the training must be flexible, based on micro-learning units and being immediately applicable to teachers' daily practice.
- Core technical competences: it must include prompt engineering, understanding how models work (LLM, ML, AGI), and fact-checking techniques.
- Transversal ethics: ethical and legal issues should not be an isolated module but systematically integrated into every phase of learning.
- Design thinking: the course should use this approach to maintain a balance between pedagogy and technology, ensuring that the tool remains at the service of educational goals.
- Source validation: teachers must be trained to use certified scientific databases to verify AI-generated data.

Based on the inputs AICA designed the course curriculum (A3). The training course has been built up from 5 modules and an additional one (Module 0) providing general AI knowledge:

- Module 0 - Myths and misconceptions surrounding Artificial Intelligence
- Module 1 - Introduction to main concepts of Artificial Intelligence
- Module 2- AI in the economic sectors
- Module 3 - AI for supporting students' learning, pedagogical integration
- Module 4 - AI to support and enhance teaching practice – Practical Teacher Toolkit
- Module 5 - AI in the Continuous Professional Development (CPD) of VET educators

Interactive microlearning content

Partners have agreed on the production of short, interactive multimedia learning content for the modules (A4) which means the creation of 55 microlearning units. These MLCs are published on the online repository called Digital Menu Card (DMC) where the pilot testing of the training course will take place in WP3 with VET teachers from the partner countries: Italy, Lithuania, Spain and Hungary.



Key decisions about the blended training course for teachers were made during the 2nd partner meeting that was held in Lleida, Spain, hosted by IET on June 15-16, 2026. Partners also discussed the content creation process, became familiar with the online educational platform and allocated the topics of the microlearning content to be developed among each other.

In preparation for the pilot, mentor teachers and the representatives of the partner organizations received training on the use of the technology for creating the interactive and multimedia MLCs.

Project Information

Project Basics

Project acronym: VITA

Project title: Vocational Innovation through Teaching with AI

Project ID: 2025-1-LT01-KA220-VET-000362456

Programme: Erasmus+

Action type: Cooperation Partnerships in Vocational Education and Training

Target group: VET teachers and trainers, VET schools

Beneficiaries: VET students and companies

Partner countries: Lithuania, Hungary, Italy, Spain

Duration: 1 September 2025 - 31 August 2027

Coordinator: Alytaus Profesinio Rengimo Centras, Lithuania

Objectives

The project aims to equip vocational (VET) teachers with the knowledge and skills to effectively integrate artificial intelligence (AI) into their teaching. It seeks to develop a comprehensive, scalable model that supports schools in crafting digital strategies aligned with AI advancements. The goal is to transform VET schools into learning organisations, enhancing their resilience and capacity for adapting to rapid technological changes in the age of AI.

The project will implement a three-step model:

- **STEP 1** – School-wide Initiation in VET Schools – **Warm Up**
- **STEP 2** – Blended AI Course for VET Teachers – **Learning by Doing**
- **STEP 3** – Practical Application and Reflection – **AI in Action**

Project results

- Foundations for “AI-Powered teaching” curriculum for VET.
- AI-Powered Teaching for VET – Curriculum
- Database of micro-learning content and video tutorial on AI.
- AI-enhanced lessons and projects in VET schools
- Micro-credentials for AI Pioneer VET Teachers
- Case studies on AI-enhanced lessons and projects in VET Schools
- Open-source eBook, with best practices of AI-enhanced teaching and learning.

Partners

- iTStudy Hungary Educational and Research Centre for Information and Technology Ltd. (Hungary)
- AICA Associazione Italiana Per L'Informatica e Il Calcolo Automatico (Italy)
- Fondazione Giovanni e Irene Cova (Italy)
- Institut Escola del Treball de Lleida (Spain)
- SZÁMALK-Salesian Post-Secondary Institute (Hungary)