

Multidisciplinary, Project-based Digital Learning Content for VET



Fostering Innovation in Vocational Education: Insights from the Result 5 of the VETProfit project

The R5 "", part of the Erasmus+ project "VETProfit," was implemented to bridge skill gaps in vocational education and training (VET) and better prepare students for the labor market. The project emphasized the use of innovative, multidisciplinary, and digital learning content in project-based mini-courses. This method was rooted in the successful practices of the earlier Reacti-VET project and was adapted to meet current labor market needs across three partner countries: Hungary, Germany, and Italy.

Objectives and Approach

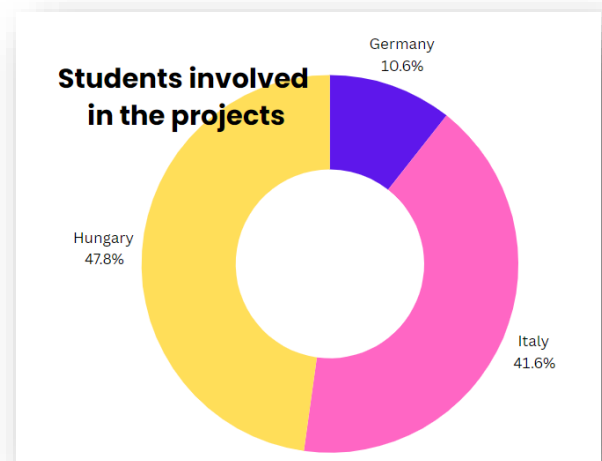
R5 aimed to achieve two main objectives: sharing the results of nine student projects as good practices for VET and developing a draft model for an innovative teaching-learning method. The approach combined short, project-based courses with digital micro-learning content designed to reflect real-world labor demands.

Teachers played a key role in delivering the micro-courses, which used content from an online repository and blended online and offline methods. Projects were tailored to the specific needs of each country and involved close collaboration with industry representatives, ensuring relevance to real-world challenges. The results were documented in English for international dissemination while local languages were used for implementation.

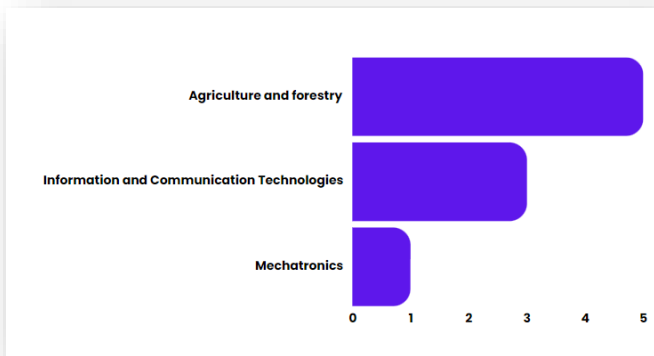
Implementation Across Partner Countries

The project included nine student projects, distributed among the partner countries—Hungary led with five projects, while Germany and Italy each contributed two. This diversity of implementation provided valuable insights into adapting the responsive project method across different educational and cultural contexts. The micro-courses prepared students to tackle these projects, focusing on developing both technical and soft skills through hands-on learning experiences.

The projects also emphasized teamwork, with students collaborating in multidisciplinary teams and using digital platforms such as Moodle, Teams, and Google Drive for communication and documentation. Teachers and industry experts provided mentorship, fostering a dynamic and practical learning environment.



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market expectations. By integrating project-based learning with digital tools, it created an engaging and flexible framework that can be scaled and adapted for future use. The success of this approach underscores its potential to enhance VET systems and prepare students to meet the challenges of an evolving workforce.

Key Features and Outcomes

The student projects highlighted several common features:

- *Alignment with Learning Objectives: Students were assessed against predefined goals, covering knowledge, technical skills, autonomy, and attitudes.*
- *Blended Assessment Methods: Formative and summative evaluations allowed for ongoing feedback and final performance reviews.*
- *Digital Competence: Students engaged with industry-standard tools and software, boosting their digital and technical skills.*
- *Focus on Real-World Problems: Each project mirrored industry challenges, preparing students for professional demands.*

At the same time, variations in implementation revealed the method's adaptability. Differences in digital tools, assessment techniques, and levels of industry involvement showcased how the model could be customized to address specific educational needs.

Reflections on Success

The R5 proved to be a transformative step for vocational education, equipping students with practical skills and a deeper understanding of labor

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

