

Project Consortium

Coordinator

GESTIONET MULTIMEDIA, S.L.

Partners

- INNOMATE
- EPRALIMA - ESCOLA PROFISSIONAL DOALTO LIMA
- UD'ANET SRL
- POLITECHNIKA RZESZOWSKA IM IGNACEGO LUKASIEWICZA PRZ
- UC LIMBURG

Objectives

- The AICY project co-funded by the European Union, seeks to innovate training methodologies for professional training in cybersecurity and artificial intelligence (AI).
- The project focuses on two key subjects in today's technical education and represents a qualitative leap in cybersecurity and AI related training.
- One of the highlights of AICY is the creation of a series of teaching materials to facilitate access to fundamental knowledge in these technological fields for both students and teachers.
- AI-based Cybersecurity Training with Gamification Techniques project was selected by the European Commission in the 2023 edition of Erasmus+ under the call KA220-VET – Cooperation Partnerships in Vocational Education and Training.

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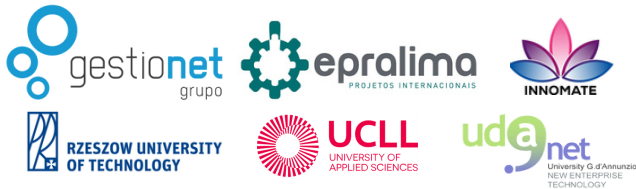
AI-based Cybersecurity Training

AI-based Cybersecurity Training with Gamification Techniques

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Co-funded by
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AI-based Cybersecurity Training

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AI-based Cybersecurity Training

PROJECT RESULTS



R1: AI based Cyber Security Training Modules

The primary objective of training modules is to support digital transformation and innovation in VET to increase the employability of students in the field of AI-powered cybersecurity by increasing the digital skills of teachers and students in VET.



R2: Self-Assessment platform (AI based)

This is a software system that will make it easier for teachers to measure and evaluate their students, and can prepare personal learning programs. It has been planned to contribute to the general purpose of the project, namely digital transformation, innovation in VET education, success, and motivation of students and teachers.



R3: E-Learning Platform with Gamification

The objectives of project is Cyber Security and especially cyber defense teaching content within the framework of digital transformation; to enable teachers to develop their own teaching competencies by updating and increasing their professional knowledge, and to determine the relevant strategy to create an open online education platform in order to ensure that students get more qualified education and become ready for the labor market.



AI and Cyber Training for Safe Tomorrow



Needs

There are an average of 1.6 million cyberattacks on a daily basis all over the world. Globally, the cost of cyber-attack losses during the year exceeded \$3 trillion. EU has become one of the countries where cyber attacks have increased the most. The attacks mainly targeted the technology, e-commerce, public, finance, energy and health sectors. Cybersecurity is one of the 5 areas where investment in education is needed so that the Digital EU Program (2021) can help achieve technological dominance.



AI-based Cybersecurity Training

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About the project

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By implementing AICY project, we want to develop ICT skills, which have an important place in VET education, with cyber security trainings. In doing so, curricula that support digital transformation and are compatible with employment skills will be developed in line with the EU commission's DigCompEdu, Digital Action Edu.Plan and Digital Compass objectives. The objectives of our project is to develop AI supported cyber security training materials for VET in line with the objectives of the EU.

Our Motivation

The lack of skilled experts in Cyber Security and recorded cyber attack data is a global problem. With the developments in areas such as cloud computing, mobile applications and the internet of things, advanced targeted cyber attacks are increasing day by day. For this reason, stronger cyber security human resources to combat cyber terrorism are gaining in importance. However, the educational difficulties experienced especially during the COVID period have brought along employment problems in SME and some in vocational education. According to 2021 Eurostat data, the employment rate for the 20-29 age group in the EU is 62.9%. About 20% of vocational high school and university graduates are looking for a job.

