

Meet ENACTEST

The **ENACTEST project**, is an Erasmus+ KA2: Alliances for Innovation project which aims at mitigating skills mismatches within testing education, focusing on the perspectives of three key stakeholders:

- **Students**
- **Industry**
- **Academia**



Why ENACTEST?

In our digitally-driven society, software quality is not just important— it's **indispensable**. From our daily interactions to critical business operations, software touches every aspect of our lives. However, without rigorous testing, we risk encountering flawed applications that can disrupt industries, economies, and innovation!

→ Inadequate testing it's a seismic shift affecting our entire society. When software falters, it reverberates through our economy, stifles innovation, and undermines our collective ability to overcome global challenges!

ENACTEST objectives

To categorise

1

the industry needs and pains with regard to technical and skills of testing in order to identify topics and skills that are fundamental to include in academic curricula.

To design

2

and develop new specific bite-sized testing materials (capsules) for including them into education as early and seamlessly as possible. These take into account the cognitive models of students and at the same time the needs of industry.

To provide

3

evidence about the improvement in learning performance of testing by the students and the improvement of knowledge transfer in industry.

What have we done so far?

- Desing of the initial cognitive model of learning
- Classification of Software Testing Training Needs and Knowledge Transfer Processes in Industry
- Analysis of current practices and status of course design and resources used for software testing education
- Experimental Evaluation Plan
- Experimental Evaluation Report #1
- Characterization of Needs about Testing Education
- Classification of Training Needs About Testing in Industry

Medium to long-term benefits:

- Increased competitiveness and software quality lead to increased employability.
- Access to advanced education systems and growth in software testing education.
- Implement software testing capsules and strengthen international research collaboration.
- Bridging the gap between theory and practice and continuously improving educational offerings.
- Promote a culture of structured testing and collaboration with academia and industry.
- Improve software quality and reduce costs by instilling a culture of testing among professionals.

ENACTEST Impacts

Immediate impact

- Students improve research skills and analytical thinking through hands-on participation.
- Engage in educational assessment and access specialist teaching to test strategies.
- Gain industry insight through collaboration with market companies.

