



Erasmus+



***Project title: Smart textiles for STEM training – Skills4Smartex***

- The Erasmus+ project Skills4Smartex is a Strategic partnership project / Vocational Education and Training for the period Oct. 2018 – Sept. 2020 (2018-1-RO01-KA202-049110) with a total budget of 179.380 Euro.
- The Project Partners are:

	INC DTP – The National R&D Institute for Textiles and Leather, Bucharest, Romania, – coordinator	<a href="http://www.certex.ro">http://www.certex.ro</a>
	TecMinho, Portugal	<a href="http://www.tecminho.uminho.pt/">http://www.tecminho.uminho.pt/</a>
	Ghent University, Belgium Faculty of Engineering and Architecture	<a href="https://www.ugent.be/ea/en">https://www.ugent.be/ea/en</a>
	University of Maribor, Slovenia Faculty of Mechanical Engineering - Department of Textile Materials and Design	<a href="https://www.um.si">https://www.um.si</a>
	Technical University “Gh. Asachi” Iasi, Romania Faculty of Textiles, Leather and Industrial Management	<a href="http://www.tpmi.tuiasi.ro">http://www.tpmi.tuiasi.ro</a>
	TZU – The Textile testing Institute, Brno, Czech Republic	<a href="https://www.tzu.cz/">https://www.tzu.cz/</a>

- **Main aim of Skills4Smartex**
  - Improving knowledge, skills and employability of VET students in STEM related fields, by providing adequate training instruments to understand multi-disciplinary working by means of smart textiles

## The main objectives of the project:

Objective	Needs	Key indicators
<b>1. Performing of a Guide for smart practices meant for supporting innovation in textile enterprises.</b>	Transfer of smart practices from source to target sites.	60 textile enterprises involved 120 professionals from the industry advised within Multiplier events – Workshops 24 transferred practices
<b>2. Performing a course in smart textiles, meant for multidisciplinary thinking.</b>	Lack of interconnections between disciplines and end applications.	100 VET students prepared within blended courses.
<b>3. Performing a dedicated e-learning instrument, meant for channeling the interest of VET students for "serious games".</b>	Orientation towards valuable web content.	240 VET students trained on the e-learning instrument.
<b>4. Improving the skills of VET students by means of practical work in constructing a smart textile prototype.</b>	Coping with the challenges of new technological development and multidisciplinary fields.	Construction of a smart textile prototypes for skills training within Joint staff events.

## The Skills4Smartex target group

A. Young professionals in textiles	B. VET students in secondary education and students in basic stage of higher education
=> addressed by Multiplier events (Workshops)	=> addressed by Blended courses and direct approach (leaflets, CDs, website & dedicated e-learning instrument)

## The main outputs of the project:

1. The Guide for smart practices
2. The Course in smart textiles
3. The dedicated e-learning instrument ([www.skills4smartex.eu](http://www.skills4smartex.eu)) and the e-learning platform ([www.advan2tex.eu/portal/](http://www.advan2tex.eu/portal/))
4. The 6 workshops / multiplier events (120 professionals from the textile industry envisaged)
5. The 6 blended courses (100 trainees envisaged) + direct approach (240 trainees)
6. Dissemination: papers, posters, events presentations, etc.