

- Project title: Smart textiles for STEM training – Skills4Smartex
- Strategic partnership project supporting innovation / Vocational Education and Training
- Period Oct. 2018 – Dec. 2020
- Project No. 2018-1-RO01-KA202-049110
- Project's Partners



CO: INCDTP – The National R&D Institute for Textiles and Leather, Bucharest, Romania



P1: TecMinho, Portugal
Interface of the University of Minho



P2: Ghent University, Belgium, Faculty of Engineering and Architecture, Department of Materials, Textiles and Chemical Engineering (MaTCh)



P3: University of Maribor, Slovenia
Faculty of Mechanical Engineering - Institute of Engineering Materials and Design



P4: Technical University "Gh. Asachi" Iasi, Romania
Faculty of Industrial Design and Business Management



P5: TZU – The Textile Testing Institute, Brno, Czech Republic

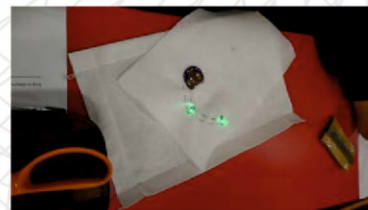


The Erasmus+ project Skills4Smartex has prepared a set of outcomes to improve knowledge, skills and employability of VET students in STEM related fields (STEM = Science, Engineering, Technology and Mathematics). These outcomes support understanding of multi-disciplinary working. Smart textiles are used to showcase focused applications of STEM fields, while e-learning is going to provide educational materials in a friendly and interactive manner (e-learning platform URL: www.advan2tex.eu/portal/). Skills4Smartex achieved the following outcomes:

- One Guide for best practices in the field of technical and smart textiles, available with free access on the e-learning platform (Output 1);
- 56 educational modules on smart textiles (Output 2), available with free access on the dedicated e-learning instrument at: www.skills4smartex.eu/instrument.php in a gamification approach;
- Moodle e-learning courses in national languages of the partnership (Czech, Dutch, English, Portuguese, Romanian and Slovenian), with Books, Presentations and multiple choice tests (Output 3);
- Workshops - multiplier events in physical or virtual format with 200 stakeholders on consortium level instead of 120 initially planned;
- Courses on smart textiles in physical or virtual format with 262 VET students on consortium level instead of 100 initially planned.



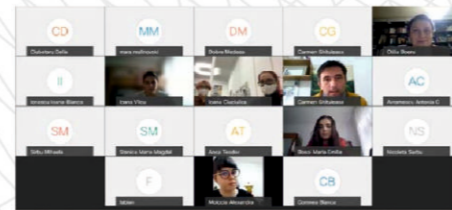
Course with VET trainees organized by Ghent University (Sept. 2020)



Working with Prototypes University of Maribor (Sept. 2020)



Virtual course of INCDTP with students of University of Arts – Bucharest, Textile Arts Dept. (Dec. 2020)



Picture from the second meeting at University Maribor - Slovenia (Sept. 2019)



Examples of smart textile prototypes achieved by project partners (INCDTP, Ghent University)



This project has been funded with support from the European Commission.

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TECHNOLOGY BUSINESS INCUBATOR < ITA TEXCONF >

ITA TEXCONF is an entity belonging to the TT infrastructure, founded on the basis of HG 406/2003 and accredited with the certificate number 118/2020, for the textile-clothing domain, of which activity is mainly directed towards:

- facilitating the initiating and developing of new innovation private enterprises based on advanced technology;
- stimulating the innovation and technology transfer for the purpose of introducing into the economic circuit the research results that are transformed into new or improved products, processes and services.



Main objectives:

- Incubating of textile-clothing SMEs, ensuring of logistics services;
- Creating of partnerships, developing of interest groups having in view the innovation product/technology transfer towards the industry, specially towards SMEs;
- Know-how transfer between INCDTP and SMEs.

Services:

- Services of sustaining textile-clothing SME competitiveness within the competitive background of the market economy;
- Services aiming at creating partnerships and financing drawing in within the projects
- Services aiming at product, equipment, innovation technology promoting in the field of textile-clothing, as part of scientific events (fairs, symposiums, conferences etc.);
- Mediating of contracts of technology transfer/manufacturing of products, experimental models, prototypes, invasive and non-invasive medical devices, textile articles meant for consumables, special destination articles etc.
- Mediating of contracts in the field of investigating the textile material and product properties, within the RENAR accredited INCDTP laboratories.

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