

THE PROJECT

The textile sector in Europe is surrounded by newly and determinant changes and challenges. Nowadays, the digitalisation and the intelligence endowment of the industrial processes are essential for the development of the industry and for the greening process that all sectors transversally shall implement to advance to the climate neutrality.

HACKTEX project aims at developing innovative pedagogical tools to improve the skills of engineering students on higher education in relation to innovation and, particularly, in the field of smart textiles.

The Project raises a proposal that is oriented to the reassessment of the sector dynamics by enhancing and targeting the skills of the future workforce generations, producing competitive products, developing the 4.0 industry and giving to the sector adaptability to external inputs and demands... in conclusion, endow the textile industry with resilience starting from the beginning of its value chain: the students' education and training.



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**INNOVATIVE SMART TEXTILES
& ENTREPRENEURSHIP**

www.hacktex.eu



Co-funded by
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SPECIFIC OBJECTIVES

TO CREATE INNOVATION in the virtual teaching in the field of smart textiles.

TO SUPPORT ENGINEERING STUDENTS to acquire digital and transdisciplinary innovation skills in smart textiles.

TO CREATE VIRTUAL COURSE (MOOC) on smart textiles.

TO FOSTER STUDENT COOPERATION in hands-on projects.

TO PROVIDE KNOWLEDGE, skills and competences for smart textiles using virtual learning tools.

TO PROMOTE THE APPLICATION OF GOOD PRACTICES for the enhancement of innovative skills.

TO STRENGTHEN COLLABORATION between HEIs and companies from advanced textile industry.

SUMMER BOOTCAMPS

C1 ACTIVITY

Selected students from the participating universities will be trained in a summer school bootcamp in Sweden. A combination of morning lessons, hackathon (group challenges) format and flipped classroom methodology will compose this training experience.

C2 ACTIVITY

Teachers and trainers from the participating partners will use the lectures and materials developed by the consortium to deepen their knowledge on smart textiles and consolidate their resources on virtual training tools.

RESULTS OF THE PROJECT

1. HACKTEX training methodology and syllabus.



2. Virtual training program as a MOOC on functional and smart textiles with specific videos, training materials.



3. Industrial smart textiles bootcamp training program for intensive summer education course.



4. Creation of virtual methodological guide focused on smart textiles entrepreneurship.



5. Project Handbook of Good practices. Virtual training tools and blended methodologies to foster smart textiles into the manufacturing sector.



PARTNERSHIP

HACKTEX partnership comprises 8 institutions from 6 European countries with complementary profiles and competencies. The partnership includes universities, training centres, technological centres and non-profit institutions.

PARTNERS

