



Project Summary for SUCCESS

Solutions for Unified Communication Competences for Engineering Students and Specialists

Project Dates: 01-11-2021 to 01-11-2024

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About the SUCCESS Project

The Background

Modern society is facing high demand for engineering students due to the fact that employers are connected with the rapidly developing fields of IT, mechanics, telecommunications, electronics etc. This is the appeal to all higher education institutions (HEI) to focus on labor market demand for highly skilled future employees. HEIs all across the world are asked to arrange and ensure the future engineers as best as they can so they are able to successfully integrate in the companies and make the expected contribution to help the employers to achieve definite results. There is a set of must-have knowledge that is defined by the HEIs and is accepted by the industry or vice versa. Requisite knowledge refers to subjects that are used in the industries' every day working life and are changed whenever something new emerges in the field and demonstrate its strengths over the previous practices.

Typically, required knowledge that should be taught in HEIs is related to the field that is chosen by the student and mostly is connected to the hard skills which are easy to identify, measure and test. Nevertheless 21st century labor market requires not only hard skills. Industry insists that engineers (future and present) must manage soft skills as well including communication skills and competences as they are considered as the linking bridge between knowledge and possibility to work and perform entrusted duties.

The partners of this project have spent years focusing on increasing their international recognition, presence, and developing frameworks that link the HEIs with global academic and non-academic partners (including labor market representatives). The expertise and initiative are shared by all projects partners of the SUCCESS project.

The project partners involved in this project have good knowledge of industry demands towards new graduates. It is strongly believed that communication competences of engineering students and specialists should be encouraged by stimulating open conversations and implementing new methods into already existing study programs. By stimulating creative learning and teaching

practices, the project contributes to various sectoral and horizontal objectives to enhance the exchange of expertise and practices across the EU region.

SUCCESS Project Key Goals

The SUCCESS Project main goal is to help students and specialists develop a skill set that will enhance their confidence and abilities to deliver the knowledge they have in an engaging and interactive way. This current situation that we are all facing has enlightened the importance of not only having knowledge but also transforming the way we share it. That is precisely why the SUCCESS project has been initiated and is relevant in the long-term perspective.

The SUCCESS project is a great opportunity to develop and implement new, innovative ideas in already existing curricula. One of the main goals of the SUCCESS project is to encourage the use of creative learning and teaching methods by offering student-centred curricula that will meet learning needs, eliminating communication ability mismatches in English, and providing complete coverage of communication skills needed by the labour market for technical communication. The project team promotes a cross-disciplinary approach to engineering studies and evolves innovative pedagogies in the field of engineering or any other related fields by designing, testing, simulating and implementing modules for teaching-learning innovative approaches to communication in collaboration with the leading providers of ESP in Germany, Spain, France, Latvia. The SUCCESS will generate a dialog on national and transnational level so that employment across different industries and sectors can be improved.

Project Activities and Methodology

Transnational project meetings: The transnational project meetings (TMP) are attended by representatives from all the SUCCESS project partners and will be used to discuss organizational, financial, and content-related issues. In total there will be six transnational project meetings, but it is important to indicate that the first TMP meeting is a – Network Kick-off meeting where all project participants will work on first ideas to develop a draft blueprint for future actions and also negotiate with partners the tasks, responsibilities, division of budget and reporting structures. Transnational project meetings will be held during the whole project’s life-cycle and the meetings will be hosted by each of the project contributors: RTU (Riga, Latvia), TU Dresden (Dresden, Germany), Leonardo de Vinci University Center (Paris, France), Cartagena UPCT (Cartagena, Spain) and The PAUL FRANCIS EAST (Ulm, Germany).

The main activities and responsibilities of **TECHNISCHE UNIVERSITAET DRESDEN** is in the English for area of Specific Purposes (ESP and Career Panel) where students/specialists/academic staff practice networking skills and become recruitment-ready. Participants see how their study

major ties into future opportunities and learn more about their possible engineering career opportunities. This panel will be a mix of career-focused activities, workshops, speed-networking and presentations. Applying for any vacancy with resume and cover letter is the ‘business card’ that creates an impression of potential employee.

During the programme in the workshop employers and representatives of industry introduce their point of view of what they are looking for in a resume and cover letter, while participants work on perfecting their own resume. As well they have the opportunity to participate in the simulation of recruitment interviews, where they learn about do’s and don’ts. Participants present their drafts of resume and cover letter with the peer-evaluation feedback session as a part of soft skills and, especially, integration of communication competences.

Workshops on key skills that contribute to professional success;

CONTACT SESSION WITH EMPLOYERS

Networking opportunities with potential employers and agencies and learned professionals.

SETTING UP A BUSINESS SESSION A thorough overview from an entrepreneurship trainer on how to set up their own business focusing on pitching, creation of business plan, marketing plan and all other key elements involved. The activities benefit from the most innovative state-of-the-art solutions to train and improve job seeking skills. Target groups of this activity include students, teachers/trainers, and industry specialists, as well as other stakeholders such as policy makers at HEIs, and university career centres. Students and participants will be focus of the training, and will be the ones seeing their skills improved.

HEI and university Career Centers evaluate the experience and adopt their programmes accordingly. At local and regional level, the participants will improve their job seeking skills set. Cooperation among partners and of professional practitioners takes place.

A Result Description (including: needs analysis, targetgroups, elements of innovation, expected impact and transferability potential) and dissemination at international level adds to the international dimension, contributing to the growth of global know-how. The outcomes are to be published in open access in English, and partial content are to be translated into the languages of the participating countries. The right stakeholders are a part of a dedicated workshop so the learning is shared and the knowledge transfer can be completed. As a result, a handbook consisting of all the

above skills set inputs is to be developed in order to integrate it into the study process and competences development of engineering students as well as to provide a communication focused approach while teaching engineering.

Project Partners

RIGAS TEHNISKA UNIVERSITATE, RIGA Latvia

www.rtu.lv

UNIVERSIDAD POLITECNICA DE CARTAGENA Spain

<http://www.upct.es>

Association Léonard de Vinci, Île de France France

www.devinci.fr

PAUL FRANCIS EAST Ulm, Germany

www.thepyramidgroup.biz

TECHNISCHE UNIVERSITAET DRESDEN Germany

<http://www.tu-dresden.de/>

Project website:

<https://project-success.org/>

<https://www.instagram.com/successproject21/?igshid=YmMyMTA2M2Y=>

Success Training with Students in Cartagena, Spain. 25th to 29th April, 2022



Intensive 5-day training program at the Universidad Politécnica de Cartagena (UPCT) in Spain, giving approximately 25 students of different nationalities the chance to improve their oral, presentation, body language and argumentation skills in English. The German Delegation consisted of five students and two staff members of the TU Dresden.