

ICT Security in VET (ITSVET)

Programme Priority: P4 Skilled and socially inclusive region

Programme Specific Objective: 4.2. More aligned vocational education and training (VET) programmes in the Central Baltic region

Sub-programme: Central Baltic

Duration: 01.12.2015 - 31.03.2019

Total funding: 1.160.123 EUR

ERDF funding: 966.049 EUR ERDF

Project Summary:

The project ITSVET aims at developing a model for providing ICT security skills on the vocational education level. Reports show that demand for ICT security professionals has grown faster over the past five years than demand for other ICT jobs. Thus, the objective of the project is to meet the needs of the region's employers through developing a VET model for the ICT security specialists to reduce the skill gap of the labour market in the Central Baltic region. The consortium brings together ICT employers, vocational education institutions and vocational education regulatory bodies.

In practice the project performs a research to identify the needed competences for ICT security specialists in the Central Baltic labour market. Based on the results the project develops a new curriculum for vocational education schools in Estonia, Latvia and Finland. To make this a ready-to-go model, learning materials and a teacher's guide will be developed and the future teachers of this curriculum will be trained. All three participating vocational schools will run a pilot of the developed curriculum in their school.

Developing a joint curriculum will lead to further integration of the Central Baltic region labour market due to enhanced mobility of students and employees as well as raised awareness about the developed curriculum.

Map of Partners

Partners

Lead Partner

Tehnikahariduse Edendamise Sihtasutus

Country: EE

www.tehnikaharidus.ee [1]

Partner budget: 116.822 EUR

Amount of ERDF funding: 99.298 EUR ERDF

Project Partners

BCS Koolitus AS

Country: EE

<http://www.bcskoolitus.ee> [2]

Partner budget: 195.596 EUR

Amount of ERDF funding: 166.256 EUR ERDF

Tallinna Polütehnikum

Country: EE

<http://www.tpt.edu.ee> [3]

Partner budget: 184.436 EUR

Amount of ERDF funding: 156.770 EUR ERDF

Rīgas Tehniskā koledža

Country: LV

<http://www.rtk.lv/> [4]

Partner budget: 184.171 EUR

Amount of ERDF funding: 156.545 EUR ERDF

Helsinki Business College

Country: FI

Partner budget: 200.547 EUR

Amount of ERDF funding: 150.410 EUR ERDF

Latvijas Informācijas un komunikācijas tehnoloģijas asociācija - LIKTA

Country: LV

www.likta.lv [5]

Partner budget: 124.033 EUR

Amount of ERDF funding: 105.428 EUR ERDF

SA Innove

Country: EE

www.innove.ee [6]

Partner budget: 154.519 EUR

Amount of ERDF funding: 131.341 EUR ERDF

Associated Partners

Sihtasutus Kutsekoda

Country: EE

Eesti Infotehnoloogia ja Telekommunikatsiooni Liit

Country: EE

Results

Expected results

Achieved results

Project result in category - Aligned vocational education and training programme

ITSVET - ICT security skills on the vocational education level

The ICT Security Specialist curriculum was developed in English and localized for Estonia, Latvia, and Finland. 8 VET schools from Estonia, 5 schools from Latvia and 12 schools from Finland have been involved in project activities and teacher training and are preparing themselves to use the developed curricula.

Most important outcomes:

- Competence-based occupational standard for ICT Security Specialist EQF level 5.
- ICT Security Specialist curriculum for level EQF 5 in English, Estonian, Finnish and Latvian. Curriculum was piloted in all participating countries (EST, FIN, LAT) before issuing the final version.
- Learning Resources, especially practical Lab Manuals focusing on 26 most relevant ICT security topics for EQF 5 level specialists. These learning resources can be used for any VET or ICT training provider to use as is or to modify and use partially.
- Skilled and competent VET institution teachers: Teachers from 25 VET institutions were trained. To support

teachers in introducing and teaching the curriculum Teacher handbooks were developed and launched in the form of a web source.

The project communicated directly with all main target groups: employers/SME's were addressed to define the skills gaps, VET students as main endusers were involved in direct training while piloting the curriculum and learning materials and VET teachers were engaged in teacher training and teachers' manual development. The electronic channels were for informing about international dissemination events, SME feedback survey, and teacher training.

The specific technical issues are subject to quick changes, but, as the curriculum consists of independent lab manuals, it should be easy to make changes in these.

Project has reported already clear interest from VET schools from the Netherlands, UK, and Spain, to introduce the concept also to their countries and to widen the scope of ICT security curricula to non-ICT students also.

Project page in database

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At a glance

- Competence Standard
- ICT Security Specialist curriculum
- Learning Resources
- Skilled and competent VET institution teachers
- Piloted and evaluated curriculum

Files



[HANDBOOK for Teacher Training WP7.pdf](#) [8]

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