

ITSVET

ICT Security
in Vocational
Education
and Training

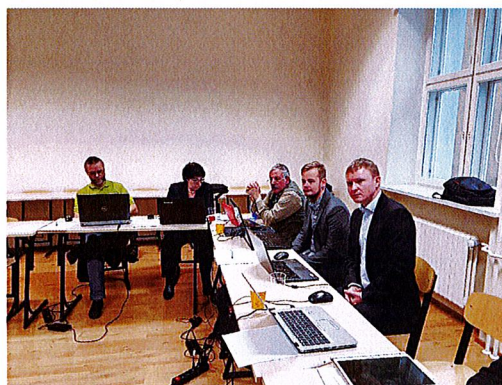
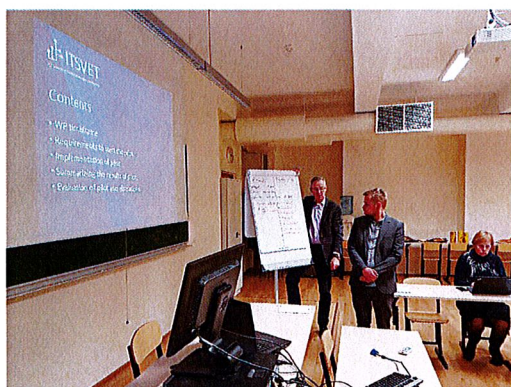
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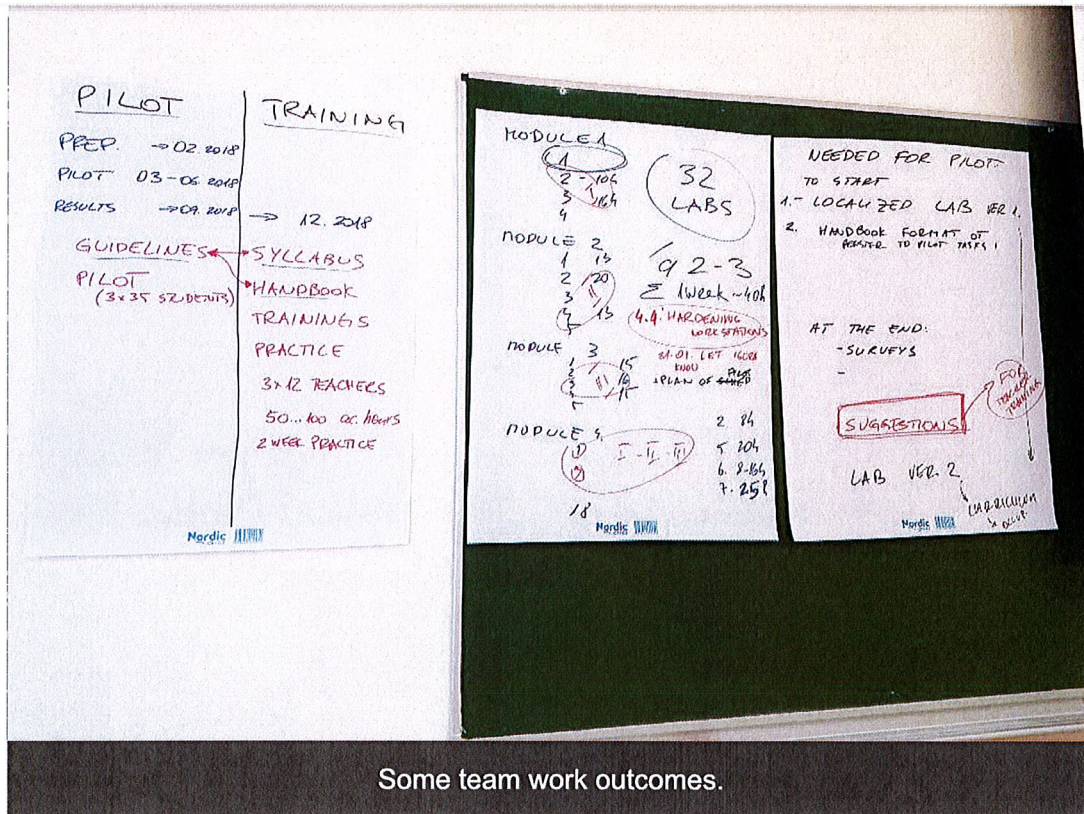
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Project Overview

The project has now reached its most active phase as the basic curriculum has been planned and now the learning materials are in the planning process. Starting from November 2017 we develop piloting guidelines and the pilots should be implemented in March-June 2018. After that pilot will be evaluated and modifications made accordingly. Also we have started to develop teacher training syllabus and the training is about to launch at the earliest on February 2018 continuing to the autumn 2018.

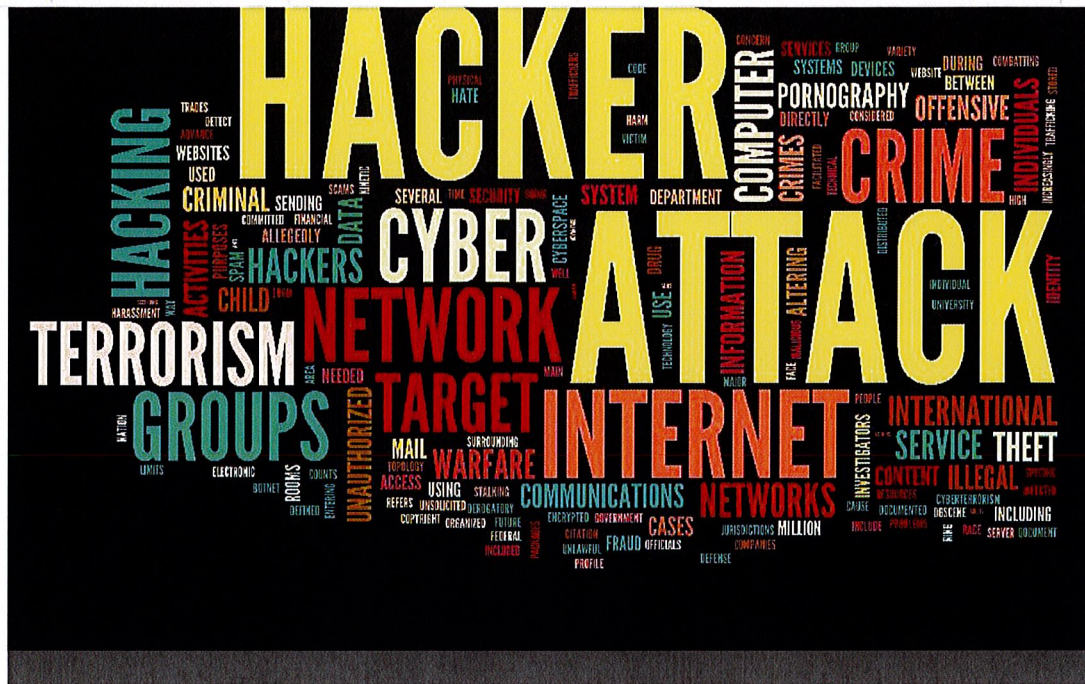




Some team work outcomes.

Creating learning resources

In the beginning of current year we started the process of creating new learning materials for curricula which has been worked out during ITSVET-project. The teaching method will be SCRUM methodology. This innovative teaching method have been actively used in Helsinki Business College. Main idea is to give students more opportunity to learn by doing and to test their skills and knowledge throughout the learning process. Therefore 30lab guidelines is prepared by team which consist of 10 people, mostly teachers, ICT professionals and experts. We have been actively discussing which is best for students and teachers. And 10 people have been written and reviewing lab guidelines on the topics brought out in Curricula. During 2018 written lab guidelines will be tested by teachers and students to get feedback about them. We hope and wish that more students and teachers will get opportunity to teach and learn with the support of lab guidelines created through this project.



It is time to start planning for ITS-VET Teacher Training

VET teachers from all VET schools but particularly from Finland, Latvia and Estonia are welcome to participate. Especially those who plan to launch a IT Security curriculum in their school or just interested to broaden their IT curricula or teaching methodology.

Trainings are planned to start in June 2018 and continue till the end of the year.

In June one joint international training in Tallinn is planned. After that the trainings will be held in all three countries locally.

- **SCRUM in Education** – agile development methodology applied in learning. SCRUM as the foundation of ITSVET Curriculum. SCRUM in education in Helsinki Business College
- **ITSVET Curriculum** – what is the ITSVET Curriculum?
- **Practical Guidelines for implementation** – How to implement it? First-hand results from pilots in Helsinki Business College, Riga Technical College and Tallinn Polytechnic;
- **Hottest Topics in IT Security** – going in depth of IT security.

Trainings will also include a practical apprenticeship component, that is planned to include:

- longer placements at companies with deeper knowledge and activities in IT security field;
- installing and jointly working in demo environment for testing, simulation and modelling of security incidents. The environments planned to use would be:
 - Cypher Path
 - F-Secure Radar - a vulnerability scanning and management solution that consists of three scanning engines: Port, Platform, and a Web application scanners. Radar allows easily control and manage IT security risks. It is a sophisticated vulnerability scanning and management service that will to identify and remediate known vulnerabilities in any platform or web

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- **Company visits:** In cooperation with F-Secure Corporation (Finland) we wish to provide the teachers a visit to F-Secure Corporation HQ in Helsinki. During the visit to the F-Secure lab, there'll be presentations regarding the latest cyber threats and the methods how to protect against them. Teachers will get the latest overview about threat vectors and real-time cyber situation awareness situation.

VET teachers teaching and working in the area of IT Security are welcome to participate in ITSVET dissemination event and teacher training, planned to take place in conjunction with International Conference „INDUSTRY 4.0 IN PRACTICE“ in Tallinn in June 2018.



Welcome to ITSVET International Dissemination Event and first Teacher Training Tallinn, June 7.-8. 2018

VET teachers teaching and working in the area of IT Security are welcome to participate in ITSVET dissemination event and teacher training, planned to take place in conjunction with International Conference „INDUSTRY 4.0 IN PRACTICE“ in Tallinn in June 2018

Venue: SpaceX Activity Center at Ülemiste City, Tallinn (next to TLL Airport)

Time: 07.-08. juuni 2018

First day: conference in English. One main stream + partner area (including ITSVET Project)

Second day: - ITSVET curriculum implementation training for VET teachers,
- Hackaton by EAS, Company visits

Main topics: Challenges changing your business model; Future workforce, IT Security

Participants: 350+ internationally.

ITSVET Teacher Training will include:

- **SCRUM in Education** – agile development methodology applied in learning. SCRUM as the foundation of ITSVET Curriculum. SCRUM in education in Helsinki Business College
- **ITSVET Curriculum** – what is the ITSVET Curriculum? How to implement it?
- **Results from Pilot** – first-hand results of pilots in Helsinki Business College, Riga Technical College and Tallinn Polytechnic;

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Who should attend: VET teachers from all VET schools but particularly from Finland, Latvia and Estonia are welcome to participate. Especially those who plan to launch a IT Security curriculum in their school or just interested to broaden their IT curricula or teaching methodology.

For more information please contact:

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Summary: After the curriculum development and the new new learning materials phase there will be implemented pilots by each educational partner. Also teachers training program will be planned and implemented. Finally educational actors will include the outcomes to their normal activities.



EUROPEAN UNION
European Regional Development Fund



ITSVET Project Contact Details



itsvet-project.eu



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