

CYBERSECURITY AWARENESS TRAINING

WEDNESDAY, 18TH, 19TH AND 21ST MARCH 2015

This program is developed through a collaboration of cyber specialist, defence leader (US government) and Bucks New University to develop the cyber security skills to manage future threats and stay at the forefront of this rapidly expanding field. The training program delivered to TEMPUS-ECESM Montenegro partners during the 7th ECESM meeting in the UK. This program covers the security in sectors such as; government; schools, universities and training providers; and other partners with expertise in the area, such as professional bodies.

April 2015

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1. Cybersecurity Awareness Training Course Overview

Cybersecurity refers to the people, products, and processes that protect electronic data from those with malicious intent. Training a cybersecurity workforce is a national priority for many countries, and the demand for cybersecurity professionals has grown three times faster than any other job role in information and communications technology (ICT).

This training program introduces a variety of cybersecurity information and practices, and explain why it is important, and introduce some of the products and processes used to secure data.

Target Audience:

1.1 Montenegro Partners: TEMPUS-ECESM project.

- Introduces the importance of cybersecurity and current trends
- Protect Information when using the Internet and email
- General Cybersecurity Information
- Additional practices, procedures and guidelines
- Policies and procedures specific to computer/network resources
- Cyber security talk (Virtual): Curtis KS Levinson (CDP, CISSP-CAP, MBCP, CCSK, United States Cyber Defense Advisor to NATO and Private Consultancy at North Atlantic Treaty Organization)

2. Course Outline

Module Lectures	Learning Outcomes
The Cybersecurity Industry	<ul style="list-style-type: none">• Importance of cybersecurity in the global economy• Explain why cybersecurity is a growing profession
Malware and Protection	<ul style="list-style-type: none">• Characteristics and operation of malware• Explain how hackers use unsuspecting individuals to propagate malware
Cybersecurity in Finance and banking industry	<ul style="list-style-type: none">• Explain why cybersecurity is critical to the banking industry• Explain why cybersecurity is critical to the telecommunications industry
Additional practices, procedures and guidelines	<ul style="list-style-type: none">• Explain the behavior-based approach to cybersecurity
Defending Against Global Threats	<ul style="list-style-type: none">• Explain the characteristics of cyber warfare

2.1 Date and Venue

The training-program took place on 18-21 March 2015 at the Missenden Abbey Conference Centre (A Subsidiary of Bucks New University) London Road, Great Missenden, Buckinghamshire, HP16 0BD Web: www.missendenabbey.co.uk . The training team arrived at the venue one day before, on 17th March 2015, in order to meet for fine-tuning of the agenda and coordination of facilitation.

The main coordinator and the training program conducted by the TEMPUS-ECESM UK partners- Buckinghamshire New University, Queen Alexandra Road, High Wycombe, Buckinghamshire, HP11 2JZ, UK.

2.2 Training Team

The members of the training team were:

Dr Indrachapa Bandara- Executive member, IET V&I, Course Leader/ HP ATA/CISCO Lecturer at Buckinghamshire New University.

Dr John McCarthy - Vice President of Cyber Security at ServiceTec, Associate Lecturer at Buckinghamshire New University and Cranfield University / UK Defence Academy.

Curtis KS Levinson CDP, CISSP-CAP, MBCP, CCSK- Private Consultancy and United States Cyber Defense Advisor to NATO, Washington D.C. Metro Area Information Technology and Services.

2.3 Agenda

DAY- 1 (18th March 2015)

09:30-10:00 Gathering of the partners at the venue ().

10:00-10:15 Introduction and welcome speeches (Florin Ioras, BUCKS), Introduce guest lecturers and program (Indrachapa Bandara, Bucks).

10:15-11:00 Introduction to Computer Security (Dr John McCarthy)

11:00-11:15 Discussion 1:

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11:15-12:00 Protect Information when using the Internet and email (Dr John McCarthy)

12:00-12:45 General Cybersecurity Information (Dr John McCarthy)

12:45-13:00 Discussion 2:

13:00-14:00 Lunch break

14:00-14:45 Additional practices, procedures and guidelines (Dr John McCarthy)

14:45-15:00 Discussion 3:

15:00-15:45 Policies and procedures specific to computer/network resources (Dr John McCarthy)

15:45-16:00 Discussion 4:

16:00 End of day one

DAY- 2 (19th March 2015)

10:00-10:45 Day one review (Florin Ioras, BUCKS, Indrachapa Bandara: BUCKS).

10:45-11:00 Coffee Break

11:00-12:00 Security Self-Test: Questions and Scenarios

12:00-13:30 Lunch break and Networking

13:30-15:00 Cyber security talk (Virtual): Curtis KS Levinson (CDP, CISSP-CAP, MBCP, CCSK, United States Cyber Defense Advisor to NATO and Private Consultancy at North Atlantic Treaty Organization)

15:00-15:15 Coffee Break

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15:15-16:00 Discussion and Wrap up

16:00 End of day one

19:00 Project Dinner (All Parterres

DAY- 3 (21st March 2015)

10:00-10:45 Day Two review (Florin Ioras, BUCKS, Indrachapa Bandara: BUCKS).

10:45-11:00 Coffee Break

11:00-12:00 Cyberecurity Self-Test: Questions and Scenarios

12:00 – 12:30 Discussion and Wrap up

2.4 Participants

Name	Email	University/Institute
Ivana Ognjanovic	ivana,ognjanovic.edu@gmail.com	
Ramo Sendelj	ramo.sendelj@gmail.com	
Dragan Vukcevic	dragan.vukcevic@udg.edu.me	
Manolina Basovic	manolina.basovic@unimediterranean.net	
Andjela Jaksic Stojanovic	office@unimediterranean.net	
Srdjan Jovanovski	srdjan.jovanovski@unimediterranean.net	
Nada Rakocevic	nrakocevic@pkcg.com	
Ana Rakocevic	ana.rakocevic@mid.gov.me	

3. Outcomes of the Training-Workshop

The participants agreed on the following recommendations for their future work:

CCNA- CISCO Courses & Certifications

Cisco Networking Academy courses are designed to help students prepare for career opportunities, continuing education, and globally recognized certifications. These courses are designed to deliver through Instructor-led or self-paced format courses. The course proposed during the training programme is include online assessments, hands-on labs, and interactive learning tools to help students.

Curriculum	Description	Certification
Introduction to Cyber Security	This course covers trends in cybersecurity and provides examples of the growing need for cybersecurity skills in various industries. The course integrates recorded presentations with activities, videos, and assessments.	Completion certificate

Submitted by:

Dr. Indrachapa Bandara- Bucks New University

30th April 2015.

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