

Ref. No.: BCS/Training/ICT/2017-07

Date: 03/05/2017

From : Prof. Dr. Mahfuzul Islam, President and Course Director

Attention: Head, IT Department/Division & Human Recourses Department/Division.

Subject: Nomination for “Cyber Security in Bank & Non-Banking Financial Institute: Secure your money through knowledge” Training Course (20 May 2017 – 24 May 2017).

Dear Sir,

Bangladesh Computer Society (BCS) is going to organize a training course on “Cyber Security in Bank & Non-Banking Financial Institute: Secure your money through knowledge” to be held on 20 May 2017 – 24 May 2017. Training course related information is stated below:

1. About Training Course:

This training course is designed for those who wish to secure money transaction in Bank & Non-Banking Financial Institution with the knowledge of Cyber Security.

2. Training Program Objective: The main objective of this training is to:

- ✓ Understand the concept of Cyber Security;
- ✓ Aware different types of Cyber-Attack and recommendation to minimize the cyber threat;
- ✓ Learn how an adversary/hacker can execute the different phase of a Cyber-Attack;
- ✓ Understand the different tools, techniques, standards, processes, procedures & guidelines to secure organizational asset;
- ✓ Demonstrate different vulnerability assessment & penetration testing methodology

3. Expected learning outcomes: At the end of the course, the participants will be able to:

- ✓ Apply learning inputs more efficiently and effectively in their respective field of work;
- ✓ Visualize and realize different Cyber-Attacks, their impacts and countermeasures;
- ✓ Prepare strategic plan to develop appropriate cyber defense by ensuring defense in depth;
- ✓ Understand the basic action plan to secure ICT infrastructure such as Datacenter, Networks & Applications

4. Course Contents:

The program is highly skill oriented and is based on following main topics suitably supported with a number of Exercises (Individual as well as Team Exercises) will be covered in the course:

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| ▲ Information & information system | ▲ BCP-DRP best practices for Financial Institutions |
| ▲ Introduction to cyber security | ▲ Defense in Depth Approach |
| ▲ Background of cyber security | ▲ Information Asset protection & best practices to protect information Assets |
| ▲ CIA triad | ▲ Phishing & Sphere Phishing Attack Demonstration |
| ▲ Types of attack | ▲ Social Engineering Attack & Identity Theft Demonstration |
| ▲ Motivation of attack | ▲ Network mapping demonstration (Port Scanning, Host & OS Discovery, Service Discovery) |
| ▲ Discussion about common cyber-attack techniques (Phishing & Sphere Phishing Attack, Social Engineering & Identity Theft Attack, Spoofing, Sniffing, Keylogger & Spyware, Foot printing & Reconnaissance, Malware, Ransomware Attack, DoS & DdoS Attack, Advance Persistent Threat (APT), Detect advanced malware and APT, Network mapping) | ▲ Discussion on Vulnerability Assessment & Penetration Testing |
| ▲ Bot & BotNet | ▲ Vulnerability Assessment demonstration |
| ▲ Vulnerability Assessment | ▲ Vulnerability Exploitation using metasploit |
| ▲ Core Element of Data Center to be consider for security | ▲ Database exploitation demonstration |
| ▲ Common cyber threat for data center | ▲ Demonstration of Windows machine exploitation |
| ▲ Impact of breaches in data center | ▲ Demonstration of Linux machine exploitation |
| ▲ Data Center Security (Data leakage prevention, Faster Incident Response, Business Continuity, Disaster Recovery) | ▲ Web application exploitation demonstration |
| | ▲ Sniffing |
| | ▲ SQL Injection Attack |
| | ▲ Wifi cracking |

- ▲ Denial of Service Attack demonstration
- ▲ Password cracking demonstration
- ▲ Security Configuration: Server, Router & Switch
- ▲ Network Threat Analysis
- ▲ Basic countermeasure of cyber-attacks
- ▲ Cyber security models
- ▲ Cyber security components
- ▲ Action plan of cyber security
- ▲ Best practices for cyber security
- ▲ Recommendations for cyber security
- ▲ Protection against unknown
- ▲ ICT Act 2006 (Latest Amendment)

5. Target Audience:

The main target audience is Policy maker of ICT Department of any Bank & NBF, Employee of IT, Security, Risk Assessment, Online & e-Transaction Department & anyone who wants to understand Cyber-Attack and the way of minimize the risk.

6. Selection Criteria:

Selection will be based on First Come First Serve (FCFS) basis.

7. Course Duration and Timings:

The course duration is five Days (20 May 2017 – 24 May 2017). The timing is 10:00 am to 05:00 pm daily.

8. Course Material

The delegates will receive standards for use during the course and course material consisting of Participants material, Exercise manual and Stationery.

9. Course Fee:

Course fee is BDT 25,000.00 (Twenty five Thousand taka) only excluding VAT and Tax. The fees can be remitted through Pay order/in Cash only to Bangladesh Computer Society (BCS), House No.: 519 (4th Floor), Road No.: 1, Dhanmondi R/A, Dhaka-1205, Bangladesh. 20% (Twenty Percent) discount for active members of Bangladesh Computer Society.

The deadline for nominations is on or before 18 May 2017.

10. Other details:

Each course will have maximum of 15 participants.

You are requested to nominate suitable officials for the above training course. For any query you can communicate with Course Coordinator or Mr. Rajan Kumar Biswas, Assistant Manager (Admin), (Mobile: 01760-434689, Time: 10.00 AM to 07.00 PM). Please do send us a brief CV/Profile of the officials nominated (not exceeding one page per person) so that we can fine tune the programme structure, content and delivery. Please provide Name, Designation, Organization Name, Official Postal Address, Mobile /Phone No., Email address, etc. of the nominees.

Please inform the nominee of the landmark to locate BCS, i.e., East side of BEL Tower at Road # 1, Dhanmondi.

Nominations should be sent to the following address:

Course Coordinator,
Bangladesh Computer Society (BCS)
House No.: 519 (4th Floor), Road No.: 1, Dhanmondi R/A, Dhaka-1205, Bangladesh
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With Best Regards



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