TEIN Application Workshops 2017

Workshop on Campus Network Security: Issues and Vulnerabilities

PROGRAM SCHEDULE

Time	Activity	Speaker/Instructor*
Day 1		
08:30-09:00	Registration	
09:00-09:30	Opening Remarks	
09:30-09:45	Tea/Coffee Break	
09:45-11:15	Introduction to Security: key security concepts, Threats and vulnerabilities, security policy, Risk analysis, Incident response, Security Auditing, human factors in security	**Dr. Md. Shariful Islam** Professor Institute of Information Technology, University of Dhaka Dhaka, Bangladesh
11:15-12:45	Crypto Fundamentals: classical cyphers, Modern ciphers, PKI, RSA, Diffi-Hellman, MD5, SHA, MD5 length extension attack, hash collisions	**Dr. Md. Shafiul Islam Khan** Assistant Professor Institute of Information Technology, University of Dhaka Dhaka, Bangladesh
12:45-14:00	Lunch	
14:00-15:15	Network Security: TLS/SSL, CAs, Browser security, Network Attacks, spoofing, poisoning, reflection and amplification attacks, DDOS, Anatomy of Mirai botnet, Attack on DynDNS	**Dr. Md. Shafiul Islam Khan** Assistant Professor Institute of Information Technology, University of Dhaka Dhaka, Bangladesh
15:15-16:45	Securing Network Infrastructure: DNS security, DNS cache poisoning, DNS best practices, introduction to DNSSEC	**Mr. Sumon Ahmed Sabbir** Chief Technology Officer at Fiber@ Home Ltd Dhaka, Bangladesh
16:45-17:00	Tea	

Day 2		
09:30-10:25	Software Defined Networks: A security perspective	**Dr. Sarker Tanveer Ahmed Rumee** Lecturer Department of CSE University of Dhaka
10:30-11:30	Introduction to packet analysis using Wireshark	**Mr. Sayedur Rahman** TST CONSULTANT (Management) BdREN, Bangladesh
11:30-11:45	Tea	
11:45-13:00	Instrumenting network for monitoring IPtables, basic firewall concepts	**Mr. Sayedur Rahman** TST CONSULTANT (Management) BdREN, Bangladesh
13:00-14:00	Lunch	
14:00-15:30	Securing routing table using secured routing protocol	**Md. Ariful Islam** MANAGER, COMMUNICATIONS BdREN, Bangladesh
15:30-16:45	Campus Network Visit	
16:45-17:00	Tea	
Day 3		
10:00-11:30	DNS Refresher Intro to Lab Environment Minimal Unix	**Zulfikar Hafiz Jewel** Professor Institute of Information Technology, University of Dhaka Dhaka, Bangladesh
11:30-11:45	Tea	
11:45-13:00	DNS Operations, Delegation	**Md. Mahedi Hasan** TECHNOLOGY SPECIALIST, INNOVATION BdREN, Bangladesh
13:00-14:00	Lunch	

14:00-15:30	Create a DNS zone and delegate it	**Zulfikar Hafiz Jewel** Professor Institute of Information Technology, University of Dhaka Dhaka, Bangladesh
15:30-16:45	DNS Software Overview	**Md. Mahedi Hasan** TECHNOLOGY SPECIALIST, INNOVATION BdREN, Bangladesh
16:45-17:00	Tea	

Day 4

10:00-11:30	DNSSEC Protocol Detail and Deployment Part I	**Suman Kumar Saha** AGM, Systems AmberIT
11:30-11:45	Tea	
11:45-13:00	DNSSEC Protocol Detail and Deployment Part II	**Suman Kumar Saha** AGM, Systems AmberIT
13:00-14:00	Lunch	
14:00-16:00	IPV6 deployment and security considerations	**Mohammad Abdul Awal Haolader** MANAGER, NETWORK BdREN, Bangladesh
16:00-16:30	Tea	
18:30:21:30	Social Dinner and , Certificates Award Ceremony	

Day 5

10:00-11:30	Introduction to computer and network forensics and intrusion detection system(snort)	**Mr. Asad Ibne Moin** Security Analyst
11:30-11:45	Tea	

11:45-13:00	Kali linux: nmap or zenmap , openVAS	**Md. Ariful Islam** MANAGER, COMMUNICATIONS BdREN, bangladesh
13:00-14:00	Lunch	
14:00-15:30	ISMS ISO 27001	**Mohammad Atiqur Rahman** DIRECTOR, NETWORK OPERATIONS BdREN, Bangladesh
15:00-16:45	Evaluations and Closing	
16:45-17:00	Tea	