SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF INFORMATION TECHNOLOGY

REPORT OF THE WORKSHOP

Workshop Topic   : **Network Security**

Date and Time   : **19.10.2022 & 10.15 am to 12.30 pm**

Resource Person : Mr. Abdul Khader, Lead Network Engineer, Freshworks Ltd

The Department of Information Technology, School of Computer Information and Mathematical Sciences organized a workshop on "Network Security" on 19th October 2022 from 10.15 am to 12.30 p.m.for 2nd year B. Tech IT students

The Resource Person of the workshop is Mr. Abdul Khader, Lead Network Engineer, Freshworks Ltd. A total of 70 participants including B.Tech IT students, faculty members attended the workshop. Mr. Abdul Khader discussed about network security, 7 layer model, types of network security protections like firewall, Remote access VPN, Network segmentation, access control, zero trust network access, email security, data loss prevention.

Mr. Abdul Khader addressing in the workshop

The Resource person explained about the threats, DDos attack, Trojan horse, malware, Spyware, botnets, adware, computer worms. The speaker highlighted about Authentication, Authorization, and Accounting (AAA) framework.

Mr. Abdul Khader addressing in the workshop

The resource person emphasised the importance of Confidentiality, Integrity, and Availability (CIA) triad in cyber security. And also explained about the types of firewall, cyber security tools like autopsy and its features and highlighted about FTK imager tool to create a forensic Image. Forensic Imaging is defined as the processes and tools used in copying an electronic media such as a hard-disk drive for conducting investigations and gathering evidence. The image is an identical copy of all the drive structures and contents. The workshop was informative to participants. The students were benefited from the workshop in following ways :(i) Firstly, the workshop gave insight about network security, network devices, (ii) Types of networks and cyber security tools. The students appreciated the resource person.

Convener   :   Dr. I. Sathik Ali, HOD / IT

Coordinator   :   Dr.Nabeena Ameen, AP (Sr. Gr) / IT