



# DON BOSCO INSTITUTE OF TECHNOLOGY

## Guest Session on

### “Cyber Security and Demonstration of Cyber Security Tools”

#### For

#### BE Institute Level Elective – Cyber Security and Laws

**Date:** 10<sup>th</sup> September,2019

**Time:** 11:15 am to 1:15 pm

**Venue:** Seminar Hall

**Speaker:** Mr. Vicky Fernandese, Assistant Manager,QRC Consulting & Solutions PVT LTD and Alumni of DBIT

A seminar on “Security and Demonstration of Security tools” was organized in Don Bosco Institute of Technology on 10<sup>th</sup> September,2019. This session was from 11:15 am to 1:15 pm and was conducted by the guest Mr. Vicky Fernandese, who also is the alumni of DBIT, Mumbai. In today’s world, all the data is being stored digitally, therefore it has become an important task to have data security. Hence, to bring certain awareness and explain the security tools was the main objective of the session. The crowd assembled was from final year of engineering who opted for Cyber Security & Law or MIS subject as their elective. The session started by introduction cyber security and why it is important. The presentation was very informative as it could give the content of the session and was very well presented. The speaker also gave the live examples by naming some of the well-known industries and companies regarding their histories of cyber attack resulting to hacking of the sites and data loss. The speaker estimated that ‘By 2024, the value of cyber security market is anticipated by Rs. 3 billion as published in one of the articles. He expressed about the cyber crime statistics that small and mid-sized businesses like Yahoo, Uber, Equifax, Deloitte, etc. sites were hacked. The important CIA triad of information security was explained by him that is confidentiality, integrity and availability and why these forms are important in security and privacy.

Next part of the session was the career opportunities in cyber security and how this is tremendously increasing in coming years and also how to pursue the qualifications for the same. The positions discussed for having cyber security as career are: Security software developer, Security Architect, Security Consultant, Information Security Analyst/Security Engineer, Computer Forensic Analyst, Chief Information Security Officer, Penetration Tester and Security Systems Administration. For these there are

certain certifications as the criteria. They are ESCP, EC, CSSLP, GSSIP-JAVA, GWEB, GSSIP:NET and OSCP. Along with this, he also discussed about the packages involved with every position and certifications. Certain terminologies like CVE (Common Vulnerabilities & Exposure), CVSS (Common Vulnerability Scoring System), CWE, OWASP TOPIO & SANS TOP25 were explained.

The last part of the session which was very interesting was the live demonstration. He demonstrated through software like Wire shark, Nessus and VM ware. He captured IP addresses and explained us how these tools can be useful at our level. Lastly, Ms. Anagha Ma'am gave the token to thank you him as he could his valuable time from his schedule for the audience and explain the importance of data security and the upcoming careers. Ms. Mayura ma'am concluded the session by vote of thanks and the crowd was dispersed.

