INTERSHIP CAMP ON CYBER SECURITY AND ETHICAL HACKING

Event No	CS031
Organizing Department	Computer Science and Engineering
Date	23/06/2023 to 24/06/2023 (2 Days)
Time	09:07 AM to 04:05 PM
Event Type	Alumni Activity
Event Level	Dept. Level
Venue	GV Lab
Total Participants	18
Students - Internal	18

Related SDG

Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Selva Ganesh	Network Engineer	Netcon Technologies	selvaganesh@hmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Saravanan M	Convenor
2	Primya T	Co-convenor

Outcome

Understand the mindset and techniques employed by hackers and enable you to implement effective countermeasures to protect systems.
Able to implement security measures to protect Windows-based systems effectively.
Explore countermeasures and preventive measures to protect against Trojan infections and mitigate their impact.
Acquire a comprehensive understanding of system hacking methodologies, steganography, Windows OS security, operating system attacks, and Trojan analysis.

Event Summary

Ø Understand the nature of these threats and enable you to implement effective countermeasures.
Ø Learnt about DDoS attack tools and techniques. Furthermore, you will understand countermeasures to defend against DoS and DDoS attacks, such as traffic filtering, rate limiting, and network monitoring.
Ø Gain insights into cybersecurity planning, risk assessment, and developing strategies to mitigate potential threats.
Ø Acquire a comprehensive understanding of viruses, malware, packet sniffing, social engineering, DoS/DDoS attacks, and associated countermeasures.
Ø Student can able to understand the characteristics, advantages, and use cases for each type of network.
Ø Understand popular MAC protocols like Ethernet and Wi-Fi, as well as LLC protocols like HDLC (High-Level Data Link Control) and LLC2 (Logical Link Control Type 2).
Ø Learnt the process of data encapsulation and decapsulation as it moves through the network stack.
Ø Students understand the different types of firewalls, such as packet-filtering firewalls, stateful firewalls, and application-level gateways.
Ø Learnt how to choose the appropriate MAC protocols and network types for efficient and secure data transmission.
Ø Gain insights into optimizing network performance by understanding the impact of different protocols and network layers on data transmission speed, reliability, and efficiency.
Ø Overall provides with a comprehensive understanding of different network types, MAC and LLC protocols, and networking layers.
Ø Gain experience in configuring network interfaces, assigning IP addresses, and establishing connectivity between nodes using different networking technologies and protocols.
Ø Understand the role of servers in providing centralized resources and services to client nodes.
Ø Learnt how to configure firewall rules and policies to control and monitor network traffic.

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