School of Computer, Information and Mathematical Sciences
&
Department of Computer Science And Engineering

Cyber Security Club

Blended Mode Hands-on Session on
HACKING TECHNIQUES FOR BEGINNERS
16 August, 2024(Friday)

Venue : Online Meeting

Time: 7.00pm to 8:30pm

School of Computer, Information and Mathematical Sciences

Event Report

Name of the Event : "HACKING TECHNIQUES FOR BEGINNER"

Date   : 16th August, 2024(Friday)

Venue   : Online Meeting

School of Computer Information and Mathematical Sciences and School of Electrical and Communication Sciences, B S Abdur Rahman Crescent Institute of Science and Technology has organized a technical seminar on "HACKING TECHNIQUES FOR BEGINNER" on 16th August 2024.

Objective:

- **Raise Awareness**: To inform students about the importance of cybersecurity and the evolving challenges in the field.
- **Skill Development**: To provide hands-on training and workshops on ethical hacking and cybersecurity best practices, empowering participants with practical skills.
- **Promote Ethical Practices**: To educate students on legitimate ways to enhance their cybersecurity knowledge while emphasizing the importance of ethical behavior in the digital realm.

Outcome:

- **Increased Awareness**: Participants developed a foundational understanding of cybersecurity concepts and common online threats.
- **Knowledge Acquisition**: Attendees learned about ethical hacking principles and the significance of cybersecurity in a digital environment.
- **Ongoing Engagement**: The session could lead to follow-up webinars or online communities, encouraging continued learning and collaboration in cybersecurity

About the Event:

The objective of this **HANDS-ON SESSION: HACKING TECHNIQES FOR BEGINNERS** was to raise awareness and provide information about cybersecurity to students. The event was organized to help participants gain knowledge about the field of cybersecurity and understand the challenges it entails. The focus was on ducating students about legitimate ways to enhance their cybersecurity knowledge, including workshops, lectures, and training sessions on cybersecurity best practices, ethical hacking, and strategies for protecting against cyber threats.

Event Brochure

S.NO	CONVENERS	DESIGNATION
1.	Dr. Sharmila Sankar.	DEAN / SCIMS
2.	Dr. W. Aisha Banu	Professor & HOD

S.NO	SESSION BY	DESIGNATION
1.	Mr. M.A. Mohammed Aseem	OWASP – Chapter Leader
2.	Mr. Touseef Ahmed	OWASP – Technical Secretary

S.NO	STAFF COORDINTORS	DESIGNATION
1.	Dr.S.P. Valli, Associate	AssociateProfessor
2.	Dr. C. Hema	Associate Professor
3.	Dr.A. Alif Siddiqua Begum	Associate Professor
4.	Ms.S.M. Shifana Rayesha	Associate Professor
5.	Ms. P. Valarmathi	Associate Professor
6.	Ms. M.S. Usha	Associate Professor
7.	Ms. C. Tamilarasi	Associate Professor

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9.	Mohamed Auwais R	23018160102
10.	Harish Aabitheen J	230071601054

Topics of the event:

- **IP Address**

    An IP address is a unique identifier assigned to each device connected to a network, enabling communication and data transfer. It can be either IPv4 (32-bit) or IPv6 (128-bit), with the latter designed to accommodate a larger number of devices.

- **MAC Address and Port Numbers**

    A MAC address is a unique hardware identifier assigned to network interfaces for communication on a local network, while port numbers specify specific processes or services within a device, enabling multiple applications to use the network simultaneously.

- **Domain Name System (DNS)**

    DNS is a hierarchical system that translates human-readable domain names (like www.example.com) into IP addresses, allowing users to access websites using easily remembered names instead of numerical addresses.

- **Dynamic Host Configuration Protocol (DHCP)**

    DHCP is a network management protocol that automatically assigns IP addresses and other network configuration parameters to devices on a network, simplifying the process of connecting devices to a network.

- **Man-In-The-Middle Attack (Live Demo)**

    A Man-In-The-Middle attack is a cybersecurity threat where an attacker intercepts and alters communications between two parties without their knowledge. The live demo illustrates how such an attack can occur and its potential impact.

- **Fake ID and Internet Privacy**

    Fake IDs refer to the use of false identities online, which raises concerns about privacy and security. Internet privacy encompasses the protection of personal information and data shared online, emphasizing the importance of safe browsing practices.
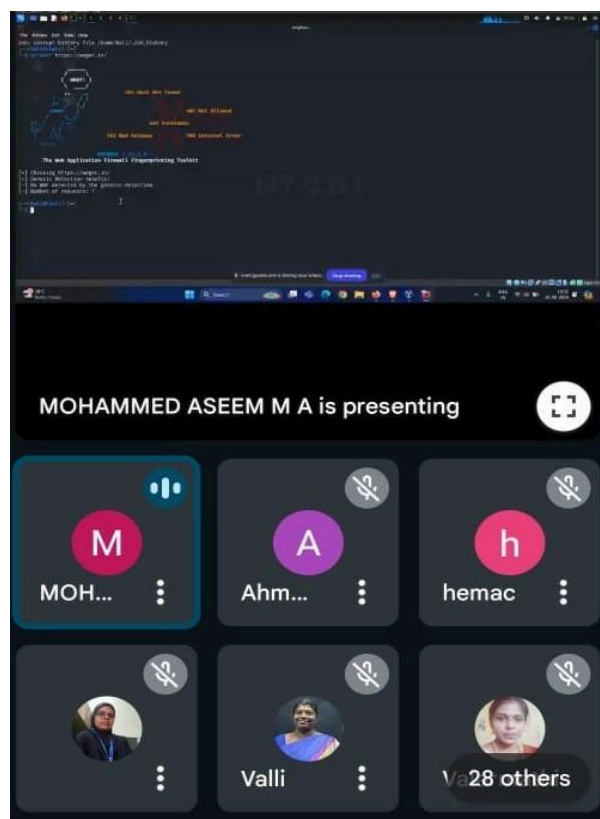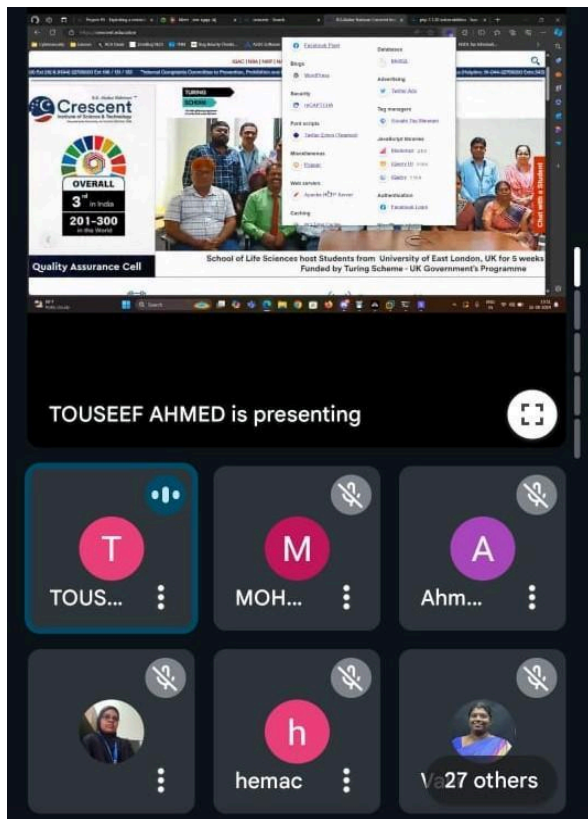
- **Wireless Hacking and Spying**

    Wireless hacking involves exploiting vulnerabilities in wireless networks to gain unauthorized access, while spying refers to unauthorized monitoring of network traffic or

user activity. Both highlight the importance of securing wireless connections to protect against cyber threats.

Event Photography :
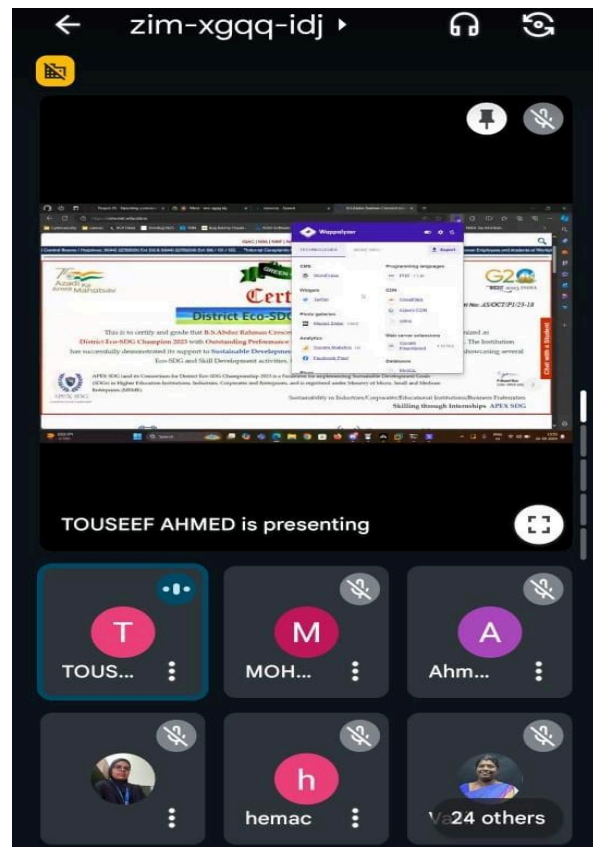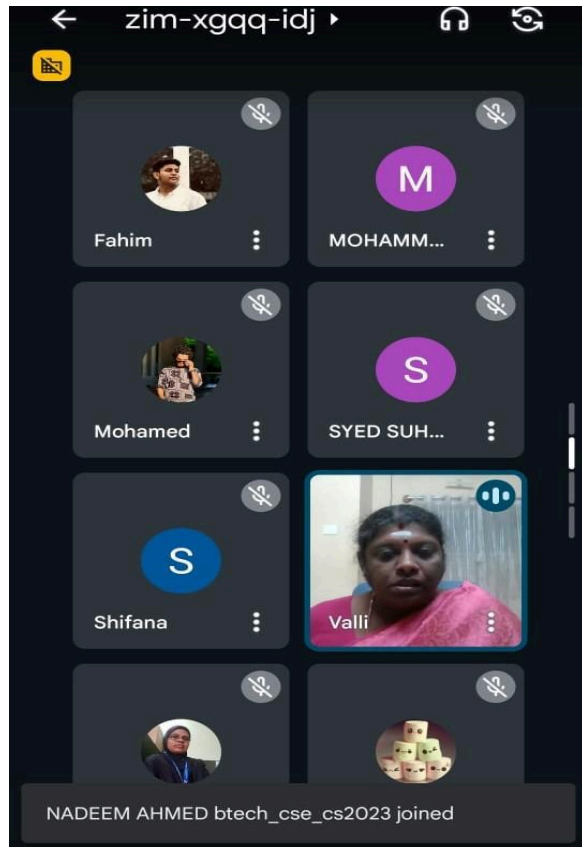
Valedictory Session:

The Valedictory Session received an overwhelming response from participants, came to a close. **Dr.C.Hema**, Associate Professor/Department of Computer Science and Engineering, BSACIST, gave vote of thanks in which she expressed her gratitude to the facilitators for providing insights on the guardians of the digital world, ensuring a safer online environment for everyone. She also thanked the cyber security club team members for their ongoing support and ensuring the success of this event.

Signature of Staff Coordinator   Dr. W. Aisha Banu
                                                    (HOD/CSE)