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## 2 Days Workshop on “Cyber Forensic and Data Security”

Date of the Event	29-07-2024 ,30-07-2024
Title of the Event	Cyber Forensic and Data Security
Organized by	Dept. of Information Science and Engineering and CSE (Data Science), MVJCE, Bangalore

The Department of Information Science and Engineering organized a workshop on “Cyber Forensic and Data Security”, from 29<sup>th</sup> July to 30<sup>th</sup> July 2024, at MVJ Auditorium (First Day) and Seminar Hall 5 & CAD Lab (2nd Day) . The event started at 10:00 am and concluded at 3:45 pm. 400 students from the 4<sup>th</sup> and 6<sup>th</sup> semesters of the Dept. of ISE, CSE (Data Science), MTech, and DS students attended this event.

Chief Guest Mr. Aravind Kumar, Police Sub Inspector, Varthur Police Station, inaugurated the event, and the workshop was conducted by Mr. Sreejith, Cybersecurity Analyst, Techbyheart and Mr. Shonith Mohan, certified ethical hacker.

### Day 1

The workshop started at 11:00 am with the basic question of hacking. In the present context, Hacking is a very relevant topic, and data security awareness is useful for all of us.

To dig deeper into hacking students need to have fundamental knowledge of Linux (This two-day training was conducted on Kali Linux software ) The trainers first teach basic Linux commands to familiarize students with upcoming topics to crack.

The below mentioned topics are covered one by one :

1. Phishing attack simulation — Creating a fake login web page and grabbing user Credentials
2. WI-FI Hacking on live targets — Cracked hotspot passwords
3. Discussion on tools used for wireless cracking - Aircrack-ng on Linux
4. OSINT Part-1 — Google Dorking, Advanced Google operators
5. Gathering info of webpages using Google advanced operators
6. Roadmap to cybersecurity and things to know while stepping into cyber Security



The 4th and 6th semesters of the Dept. of ISE, MTech, and DS students attended this event.



## DAY 2

The next day workshop was conducted in seminar hall 5 and CAD Lab which accommodated 300 students all over.

The second-day workshop was conducted in **Seminar Hall 5 and CAD Lab**. It started at 9:30 with the topic of Image Intelligence

In this section Image OSINT was highlighted. Students came to know Google Operator Basics and usage.

Image Intelligence and Geospatial Intelligence is used to find the location of an image How to use the N-map tool to scan images was taught. N-map is used for network mapping was discussed.

This day some advanced level topics on cyber security have been demonstrated.

Topics covered on the second day are mentioned below.

OSINT Part-2 — IMINT (Image Intelligence) (hints for the hackathon was shared in this part)

Identifying fake and genuine websites using the Netcraft tool



Identifying malicious files and URLs using Virustotal – created a payload for demonstration purposes

Basic network mapping using Nmap – finding vulnerabilities using Nmap

Information about the Wappalyzer app was given. It is used to access databases and documents.

Information about an app called Virustotal was given. It is used to check if documents contain virus or not.

The session ended with Information about the browser. It is a dark web browser that can be used for hacking and for accessing research papers, assignments, and many more things.

An overview of Hacksheild was given to the students.

The session ended at 12:50 pm







**Faculty Coordinator of the Event:**

Dr. Shima Ramesh Maniyath (HOD,ISE)

Sayani Baisya (Asistant Professor,ISE)

**Student Coordinators:**

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10. Harini A(1MJ22CD014)
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**The outcome of the Event:**

Data Security is very important at present. Students need to be educated in that. The workshop helped students to know how to secure valuable data and protect them as assets. Ethical Hacking literacy is needed for data privacy. This two-day workshop was able to help students to gain basic knowledge on this.