

Department of **Bachelor of Computer Applications**

Information Security & Mobile Applications

Ethical Hacking Fundamentals LAB

[All Practicals' Documentation]

Subject Code: 20BCA4C02L **Class:** IVth Semester

Submitted By: Suman Garai 20BCAR0246 Submitted On: 31-03-2022

Faculty In-Charge: Dr. Ajay Shriram Khushwaha

Signature

Signature



Certificate

This is to certify that Mr./Ms. <u>Suman Garai</u> with USN <u>20BCAR0246</u> has satisfactorily completed the Practical on "Ethical Hacking Practical's" which is submitted to **Dr. Ajay Shriram Kushwaha**, the faculty for **IV**th **Semester ISMA** in Department of BCA, School of Computer Science & IT, Jain (Deemed-to-be-University), Bengaluru for the session 2021-2022.

31-03-2022

Date of Submission

Bengaluru
Place of Submission

Signature of Student

Signature of Faculty In-Charge



Evaluation Criteria

Sr. No.	Criteria / Parameters	Total Marks	Marks Obtained
1	On-time submission Certification	05	
2	Certification of Completion	05	
3	Report (with Assessment Screenshots test attempted)	05	
4	Conclusion [Minimum one page without any kind of plagiarism]	10	
	TOTAL	25	
	CONVERT	10	



Table of Contents

Sl. No.	Title	Conduct Date	Page No.
1	Footprinting basics with Windows & Linux Command Line utility		01 – 09
2	Footprinting using Maltego in Kali Linux		10 – 13
3	Footprinting using Recon-ng in Kali Linux		14 – 26
4	Footprinting using Open-Source Intelligence Gathering using OSRFamework in Kali Linux		27 – 35
5	Information Gathering using Metasploit in Kali Linux		36 – 38
6	Information Gathering using theHarvester in Kali Linux.		39 – 41
7	Perform Networking Scanning for UDP and TCP Packet crafting techniques using hpin3 tool in Kali Linux.		42 – 44
8	Perform Scanning Network using Nmap/Zenmap tool in Kali Linux.		45 – 49
9	Practical to perform enumerating services on user network using Nmap.		50 – 53
10	Perform vulnerability scan on target system using Nessus in Kali Linux.		54 – 57
11	Perform a practical to hack Metasploitable2 using Kali Linux.		58 – 60
12	Practical to perform Network & Password Sniffing using Wireshark.		61 – 63