



TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC ACCREDITED GRADE "A" INSTITUTE

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Recognized Under Sec. 2(f) of UGC Act 1956

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TIAS/AC/2021-22/35

Date: 27/12/2021

Academic Session: 2021-22

Status as on date 27/12/2021

This is to certify that the course module for Value Added Program for the Certificate in Ethical Hacking scheduled from 03.01.2022 to 25.01.2022 comprising of 30 Hours deliverance has been completed by the resource person Mr. Harsh, Faculty in Department of ICT with the module contents as under:-

S.No.	Contents Deliverance	Learning Outcomes
1	Introduction to Ethical Hacking (2 hr)	Understand the principles, methodologies, and legal considerations of ethical hacking.
2	Networking Fundamentals (3hr)	Identify and exploit vulnerabilities in computer systems, networks, and applications using ethical hacking techniques.
3	Information Gathering and Footprinting (4hr)	Conduct comprehensive reconnaissance and information gathering to assess the target environment.
4	Scanning and Enumeration (3 Hr)	Perform vulnerability assessments and penetration testing to identify and exploit weaknesses in network infrastructure and web applications.
5	System Hacking (2 hr)	Utilize various hacking tools and techniques, such as scanning, enumeration, and exploitation, to gain unauthorized access.
6	Web Application Security (4 Hr)	Demonstrate proficiency in different types of attacks, including network attacks, web application attacks, wireless attacks, and social engineering attacks.
7	Cryptography (2 Hr)	Understand the principles of cryptography and cryptographic attacks, as well as how to implement secure cryptographic practices.
8	Social Engineering (2 Hr)	Use advanced techniques for bypassing security controls, evading intrusion detection systems, and maintaining persistence on compromised systems.
9	Wireless Security (3 hr)	Understand and analyze malware, including reverse engineering and analyzing malicious

		code.
10	Incident Response and Digital Forensics (5 hr)	Apply techniques for securing computer systems and networks, including configuring firewalls, implementing intrusion detection and prevention systems, and implementing secure coding practices.
11	Introduction to Ethical Hacking (2 hr)	Develop skills in digital forensics to investigate security incidents, collect evidence, and analyze digital artifacts.

All the above contents are delivered to the best of my knowledge and belief and nothing is withheld.

Signature of Faculty

Name of Faculty: Mr. Harsh

Dated: 27/12/2021

Submitted to HoD- Department of Information Communication and Technology, TIAS

Student's Declaration

We would like to declare, that the course module for **Value Added Program for the Certificate in Ethical Hacking** scheduled from 03.01.2022 to 25.01.2022 comprising of 30 Hours. by the resource person Mr. Harsh, Faculty in Department of ICT to our satisfaction and is able to help in developing our domain knowledge and capacity building.

S.No	Enrollment No	Name	Signature
1	4517002021	R KARTIKEYAN	<u>Kart</u>
2	4617002021	VIVEK CHAUHAN	<u>Vivek</u>
3	4717002021	MUSKAN	<u>Muskan</u>
4	4817002021	PAESHA	<u>Paesha</u>
5	4917002021	AAYUSH ARYA	<u>Aayush</u>
6	5017002021	TANISHA ARORA	<u>Tanisha</u>
7	5117002021	YASH UPADHYAY	<u>Yash</u>
8	5217002021	VANSHIKA NEGI	<u>Vanshika</u>
9	5317002021	ANSH GUPTA	<u>Ansh</u>
10	5417002021	MOHAMMAD JAFAR ZAKI	<u>Zaki</u>
11	35117002021	NIWANSHU SHARMA	<u>Niwanshu</u>
12	35217002021	PARTH KAMRA	<u>Parth</u>

13	35317002021	MUSKAN GUPTA	
14	35417002021	MEHAK GOEL	
15	35517002021	AYUSH RAI	
16	35617002021	GAUTAM GUPTA	