



A.C.E.T

Anjuman college of engineering & technology

TRAINING LETTER

Greetings from A.C.E.T. Nagpur.

This is to certify that Mr. Aziz shauikh has successfully completed 3 day's Workshop based training program on Cyber security and ethical hacking . During this program he/She has undergone training on following :

- Information gathering
- Scanning
- Linux Operating System and Networking
- Proxy Servers and Anonymity
- Cryptography & Steganography
- System Hacking & Security
- Website & Server Hacking Techniques
- Wireless Hacking and Penetration Testing
- Vulnerability Assessment and Penetration Testing (VAPT)
- Firewall, IDS, Honeypots

At the time of training, we found him/Her sincere , hardworking and fully devoted. We wish him/Her all the success in his/Her future.


Event Cordinator

Prof. Saquib Ahmed


TRAINER

Mr. Mahesh Rakheja




Workshop on Cyber Security and Ethical Hacking
by Mahesh Rakheja
(Basic and Advance)

● Program Session Schedule

Modules	Particulars
1	Introduction to Ethical Hacking <ul style="list-style-type: none">• Introduction to Ethical Hacking• HTML• PHP• Database
2	Linux Operating System and Net- working: <ul style="list-style-type: none">• LINUX• NETWORKING
3	Information Gathering: <ul style="list-style-type: none">• Doxing• Website/ IP information Gathering• Network Mapping• Google Hacking
4	Scanning & Enumeration: <ul style="list-style-type: none">• Discovering IP Range and Open Port• Identifying Target Operating System and Services• Bypassing Firewalls while Scanning


Modules	Particulars
5	<p>Proxy Servers and Anonymity:</p> <ul style="list-style-type: none"> • Learning Various Methods to Use Proxies • Hiding yourself behind VPN • Using Proxies and VPN for Hacking Tools i.e Scanning • Configuring TOR with Backtrack and Nmap for Invisible Scanning • Using Tunneling methods for IP hide
6	<p>Email Hacking & Social Engineering:</p> <ul style="list-style-type: none"> • Types of Email Addresses. • Phishing Attack. • Social Engineering Attack. • Brute force Attack to get password. • Keynoters and Rating Attack. • Password Guessing Attack. • Hack by Mobile Phone. • Securing Email Accounts.
7	<p>Cryptography & Steganography:</p> <ul style="list-style-type: none"> • Cryptography and Encryption Basics • Understanding various Hashes and Encryption Algorithms • Creating Digital Signatures on Backtrack and SSL cert. • Cryptography attacks • Rainbow table to Crack Passwords • Using various Steganography tools on Backtrack


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Modules	Particulars
8	<p>System Hacking & Security:</p> <ul style="list-style-type: none"> • Hacking Windows Passwords using various methods • Cracking SAM file • Protecting SAM file from hack • Privilege Escalation in windows and Linux • Using Stealers, Key loggers and Remote Administrations Tools (RATs) • Creating Undetectable Viruses using Crypters, Binders and Assembly Codes. • Protection against Trojans , Worms and Malwares
9	<p>Website & Server Hacking Techniques:</p> <ul style="list-style-type: none"> • Advance SQL Injection • Cross Site Scripting • Local File Inclusion (LFI) • Remote File Inclusion (RFI) • Parameter Manipulation • Session and Cookies Hijacking • Click Jacking • Shell Injection • Brute force Attacks against Website login pages



Modules	Particulars
10	Website & Server Hacking Techniques: <ul style="list-style-type: none">• Using various Web based• Vulnerabilities to hack servers• Rooting Servers• Remote Code Execution• Buffers Overflows• Brute force against Servers• Using Dos, DDos and Creating Botnets• Using various Exploits and Exploits Databases
11	Website & Server Hacking Techniques: <ul style="list-style-type: none">• Understanding Wireshark, Cain & Abel and TCP Dump• Man in the middle attacks• Router Hacking• Sniffing Data and Passwords• ARP , DNS, DHCP Spoofing attacks• DNS poisoning , DOS attack against an IP address• Flood the LAN with random MAC addresses• Packet Injection


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