

# ETHICAL HACKING LAB



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**S.Y. MCA**  
**ETHICAL HACKING LAB**

<b>Module No</b>	<b>Detailed Contents</b>	<b>Hrs</b>
<b>1</b>	<b>Footprinting and Reconnaissance:</b> Performing footprinting using Google Hacking, website information, information about an archived website, to extract contents of a website, to trace any received email, to fetch DNS information.	<b>02</b>
<b>2</b>	<b>Scanning networks, Enumeration and sniffing:</b> Use port scanning. network scanning tools, IDS tool, sniffing tool and generate reports.	<b>02</b>
<b>3</b>	<b>Malware Threats: Worms, viruses, Trojans:</b> Use Password cracking, Dictionary attack., Encrypt and decrypt passwords, DoS attack, ARP poisoning in windows, Ifconfig, ping, netstat, traceroute, Steganography tools. <b>Self-Learning Topics:</b> using additional hacking tools.	<b>06</b>
<b>4</b>	<b>Developing and implementing malwares :</b> Creating a simple keylogger in python, creating a virus, creating a trojan. <b>Self-Learning Topics:</b> Additional implementation of hacking tools.	<b>06</b>
<b>5</b>	<b>Hacking web servers, web applications:</b> Hacking a website by Remote File Inclusion, Disguise as Google Bot to view hidden content of a website, to use Kaspersky for Lifetime without Patch	<b>02</b>
<b>6</b>	<b>sql injection and Session hijacking :</b> SQL injection for website hacking, session hijacking. <b>Self Learning Topics:</b> using additional of hacking tools.	<b>02</b>