



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE
AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA
REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA
REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA
An Autonomous Organization works for IT, HRD & Literacy



Master Diploma in Computer Ethical Hacker & Server Technology

Ethical hacking can be defined as the hacking of computers done with permission. Hacking can be defined as the process of finding vulnerabilities in a computer system to gain unauthorized access and perform malicious activities. These activities range from deleting system files to stealing sensitive information. However, hackers are often hired by renowned software companies to hack into their system/servers to find vulnerabilities and weak endpoints so that they can be fixed. This practice is followed by almost every software company to take precautionary measure against legitimate hackers who have malicious intent. Such people, who hack into a system with permission, without any malicious intent, are known as ethical hackers and the process is known as ethical hacking.

Course Syllabus

Ethical hacking course content

Training Area	Topics Covered
Ethical Hacking	Cyber Ethics-Hacking Introduction Information Gathering 1 Information Gathering 2 Scanning 1 Scanning 2 Google Hacking Database Virus, Worms – Virus Analysis Trojans & Backdoors Sniffers & keyloggers

	<p>Social Engineering</p> <p>Email, DNS, IP spoofing</p> <p>HoneyPots</p> <p>System Hacking & Security</p>
<p>Website Hacking & Security</p>	<p>Vulnerability Research</p> <p>SQL Injection 1</p> <p>SQL Injection 2</p> <p>XSS Attacks & Countermeasures</p> <p>LFI/ RFI Attacks & Countermeasures</p> <p>Information Disclosure Vulnerabilities</p> <p>Buffer Overflow & Session Hijacking Attacks</p> <p>Vulnerability Assessment & Penetration Testing</p> <p>Exploit Writing</p> <p>Secure Coding Practices</p>
<p>Mobile & Wireless Security</p>	<p>Wireless Hacking & Security</p> <p>SMS Forging & Countermeasures</p> <p>VoIP Hacking & Countermeasures</p>