iGNITE Technologies

CYBER SECURITY TRAINING & PROGRAM POWERED BY IGNITE TECHNOLOGIES

DIGITAL FORENSIC

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DIGITAL FORENSIC

Digital Forensics is the application of scientific methods to help preserve, recover and investigate digital evidence in the event of a cybercrime. Those who work in the field require an immense amount of skill and knowledge to carry out the necessary responsibilities.

To prove a digital crime, as a forensic investigator you should be able to collect the evidence in the proper manner and have a clear understanding of the methods required to analyze them in order to get justice for the victims and put away the guilty.

During this course, you will be briefed about the fundamentals of Digital forensics including the data acquisition, windows forensics, network forensics and much more.

PREREQUISITES

Should be aware of basic computing, operating system, file types, hashing & encoding and networking fundamentals.

COURSE DURATION: 30 to 40 HOURS

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Why to choose Ignite Technologies?

Ignite believes in “Simple Training makes Deep Learning” which help us in Leading the International CTF market.

• Ignite Technologies is a leading Institute that provides Cyber Security training from Beginner to Advance as mention below:

1. Networking
2. Ethical hacking
3. Bug Bounty
4. Burp Suite for Pentester
5. Windows for Pentester
6. Linux for Pentester
7. Digital Forensic
8. CTF-2.0
9. Privilege Escalation
10. Red Team Operations
11. Infrastructure Penetration Testing
12. API Penetration Testing
13. Android Penetration Testing

• World RANK -1st, in Publishing more than 400 walkthroughs (Solution) of CTFs of the various platform on our reputed website “www.hackingarticles.in”.

• We Provide Professional training that includes real-world challenges.

• Ignite’s Students are placed in a TOP reputed company in the overworld.

• Hands-on Practice with 80% Practical and 20% Professional Documentation.

• ONLINE classes are available

Career in IT Security Domain:

Chief Information Security Officer
Senior Security Consultant
Cryptographer
Penetration Tester
Researcher
Incident Analyst | Responder
Software code Analyst
Risk Controller
Security Architect
Exploit Developer
Information Security Analyst
Digital Forensic Expert
International Trainer
Security Engineer
Ethical Hacker

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COUSRE OVERVIEW

1. Fundamentals of Digital Forensics

- Introduction to Digital Forensics
- Types and sources of digital Evidence
- Process, Goals, Principles of Digital Forensics
- E-Discovery & Digital Forensics
- Methodology for Digital Investigators
- Evidence Collection Techniques

2. Hard Disks, File Systems and Data Acquisition

- Hard Disks and File Systems
- RAID
- File System Analysis
- Methods of acquisition and Recovery
- Evidence Authentication and Validation

3. Anti-Forensics Techniques

- Password Cracking
- Steganography
- Data Hiding
- Encryption
- Data wiping
- Data Obfuscation
- Countermeasures

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4. OS Forensics

- Memory Analysis
- Registry Analysis
- File Analysis
- Metadata Analysis
- Recycle-bin Analysis
- Prefetch Files
- Shellbag Forensics
- USB Forensics
- Browser Analysis
- Log Analysis

5. Network Forensics

- Networking Fundamentals
- Types of Network Attacks
- Protocol Analysis
- Log Capturing Analysis
- Email Analysis
- Firewall, IDS log Analysis
- Packet Analysis
- Web Log Analysis

6. E-mail and Malware Forensics

- E-mail Header Analysis
- E-mail Tracing
- Analysing E-mail Contents
- Recovering Deleted E-mails
- Email Log Analysis
- Static Malware Analysis
- Dynamic Malware Analysis

7. Report Writing

- Guidelines
- Expert Testimony
- Direct Examination
- Cross Examination
- Report Writing