



Empowering Business Globally



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**13+** years experience

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# ETHICAL HACKING

## WHY LITZ TECH?

Learn IT Zone is a pioneer in facilitating education using breakthrough technologies. With dedicated teams academic experts, the company has been on the forefront of heralding the next advancement in learning, thus becoming a distinctive player in bridging geographical and cultural borders, we are well connected with the networks of colleges and IT solutions. LITZ TECH INDIA PVT LTD recruits well performing students of Learn IT Zone that provides an effective career.

## KEY FEATURES

- ➔ Train from professionals with industry experience
- ➔ Learn theoretical concepts and gain hands-on training simultaneously
- ➔ Real time Hands-On Practical Experience Training to imbibe corporate practices
- ➔ Get certified at the end of the training
- ➔ Receive placement support once the training is completed ➔

Getting exposure to latest technology up gradations.

- ➔ Advanced lab facility and most updated syllabus and materials will be provided with learning tools for easy learning
- ➔ You will have the access to contact the trainers at any time.

# Course Syllabus

## Module 1: Basic Python

### **Learning Objective:**

In this Module, you will learn about the basic syntax and structure of Python Programming.

You will be getting a complete understanding of Python Basic Syntax and Installation of

### Python Topics

- Basic Operators
- Data Types
- Loops and Decision Making
- Functions and Classes
- Import and Exception Handling Decorator, Iterator and Generator
- File Handling

## Module 2: Networking Basics

**Learning Objective:** in this section, we are learning about the Networking CCNA basic Configuration

### **Topics:**

- Network basics
- Network architectures (OSI Model)
- What are hubs, switches, routers?
- How is data forwarded through a network?
- IP addresses
- IP subnetting
- Cabling and network topologies
- Ethernet basics
- TCP and UDP
- DNS and DHCP
- Routing and VLANs
- Cisco device initial configurations

- ACLs
- Network naming
- IP Telephony
- Quality of Service (QoS)
- SDN and OpenFlow

## Module 3: Linux Scripting

**Learning Objective:** In this section, we are learning about basic Linux shell Scripting

### Topics:

- Creating a Local Linux Shell Environment
- Linux Basic Commands and Programming

## Module 4: Hacking

**Learning Objective:** In this module, we are learning about the Hacking by tool and Coding

### Topics:

- Ethical Hacking Terms
- Search Engine Tools
- Hacking Tool:
  - Network Scan Tools –NMAP ◦
  - Vulnerability Scan Tool—Nessus ◦
  - Exploitation Tool—Metasploit Framework
  - Password Cracking Tools ◦
  - Information Gathering over the Internet
  - Tools ◦
  - Web App Hacking Tools ◦
  - Phishing Tools (FatRat) •
  - Network
  - Layer Tools – GNS3
- Network Mapping Tools
- Proxy Server
- Enumeration
- System Hacking Concepts
- Sniffing

- Password Cracking
- Rainbow Crack
- Spyware
- Mobile Hacking
- Web App Hacking and vulnerabilities
- Firewall
- Encryption Concepts
- SQL injection

## **Our Training Benefits**

Check out our innovative key features in training methodologies. Our flexible training mechanisms incorporate all techniques right from knowledge assessment till setting placement records.

- Gain knowledge from experienced professionals in the field.
  - Learn both theoretical concepts and gain practical experience at the same time.
  - Training that provides real-world, hands-on experience in order to teach proper workplace practices.
  - Grab certification upon completion of training
- Receive placement assistance following completion of training
- Being exposed to the most recent technological advancements.
  - Learning tools will be provided along with the most up-to-date lab facilities, curriculum, and course materials
  - You will be able to connect with the trainers at any time.