

# TECHNORIYA ETECHNOLOGIES PVT. LTD.

ISO 9001:2015 AND 27001:2013

**CYBER SECURITY  
COURSES OFFERED**



ISO 9001: 2015 AND 27001:2013

ADDRESS: OFFICE NO. 307, NBC COMPLEX,  
BELAPUR, NAVI MUMBAI, 400614

VISIT US: [WWW.TECHNORIYA.COM](http://WWW.TECHNORIYA.COM)

MAIL AT: [INFO@TECHNORIYA.COM](mailto:INFO@TECHNORIYA.COM)

# BEGINNER'S LEVEL TOWARDS ETHICAL HACKING

INTRODUCTION ON COMPUTER NETWORKING.  
NETWORK UNDERSTANDING.  
NETWORKING CONCEPTS  
NETWORKING DEVICES.  
INTRODUCTION TO NETWORK SECURITY  
INTRODUCTION TO ETHICAL HACKING  
FOOTPRINT AND RECONNAISSANCE  
SCANNING NETWORKS  
ENUMERATION  
VULNERABILITY ANALYSIS  
SYSTEM HACKING  
MALWARE THREATS  
SNIFFING  
SOCIAL ENGINEERING  
DENIAL-OF-SERVICE  
SESSION HIJACKING  
EVADING IDS, FIREWALLS, AND HONEYPOTS  
HACKING WEB SERVERS  
HACKING WEB APPLICATIONS  
SQL INJECTION  
HACKING WIRELESS NETWORKS  
HACKING MOBILE PLATFORMS  
IOT HACKING 19.CLOUD COMPUTING 20.CRYPTOGRAPHY

# ADVANCE LEVEL TOWARDS ETHICAL HACKING

INTRODUCTION TO ETHICAL HACKING

FOOTPRINT AND RECONNAISSANCE

SCANNING NETWORKS

ENUMERATION

VULNERABILITY ANALYSIS

SYSTEM HACKING

MALWARE THREATS

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HACKING WIRELESS NETWORKS

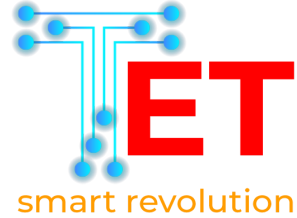
HACKING MOBILE PLATFORMS

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# Fundamentals of IT Network and Security

## INTRODUCTION TO COMPUTER NETWORKS

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- What is Computer Network
  - Advantages of Network
  - Terminologies of Network
  - Classification of Networks
  - OSI Models
  - IP Addressing
  - Purpose
  - IP Address Class
  - IP Subnetting
  - Internet Vs Intranet
  - Network Troubleshooting Tools
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## IT SECURITY FOUNDATIONS: NETWORK SECURITY

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- Describe ways a security baseline can ensure that all device configuration settings are in line with the organization's baseline metric.
- Examine methods for ensuring physical security.
- Examine the three levels for software-restriction policies.
- Explore how VLANs can protect the network.
- Identify the different ways malicious actors can spoof protocols on the network.
- List common devices that are used to protect and defend a network.
- Recognize how antivirus software protects your system against malware.
- Recognize how server and domain isolation can isolate and protect subnetworks.
- Recognize the threat of password attacks.
- Recognize the various ways to use and secure protocols, in order to minimize risk and prevent attacks.
- Explain the main elements of the CIA triad: confidentiality, integrity, and availability.
- Differentiate between risks, threats, and vulnerabilities.
- Identify ways to minimize the various attack surfaces.
- Recognize the different types of malware.
- List several good practice techniques to avoid malware
- Understand how to manage cookies when using a browser.
- Discuss methods to ensure safe browsing habits.
- Summarize the various ways to secure your Wi-Fi connection.
- Cite the differences between public and private key encryption.
- Outline common cryptographic techniques used to secure digital data.

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