



TECHKRITI'18

15th - 18th MARCH



ETHICAL HACKING ONE –DAY WORKSHOP

Computer Security - Basics

- Introduction
- Hacker & Cracker
- Attacker & Victims
- ASCII Code - making a folder invisible

Network Security

- IP Address – Basic, Detecting
- Ping & Ping Sweep
- Tracing Target Location
- Detecting Victim's OS
- Detecting Firewall
- Countermeasures

Domain name and DNS

- ICANN
- Registrar, Registry, Registrant
- Top Level Domains
- Lifecycle of gTLD
- DNS Delegation

Email Security

- Email Threats
- Email Forging
- Spamming
- Email Headers
- Countermeasures

Port Scanning

- Type of Ports
- Virtual Port numbers
- Detecting Open Ports
- Tools to carry out Port Scanning
- Countermeasures

Intellectual Property Theft

- Trojan working & countermeasure
- Keylogger working & countermeasure
- Steganography

Password Cracking & Prevention

- Password Cracking Techniques
- Brute force Attack
- Countermeasures

Social Networking & Mobile Apps Hacking

- Whatsapp & WeChat hacking
- Facebook Hacking
- WiFi Hacking

Identity Attacks Security

- Proxy Servers
- Proxy Bouncing

Other Hacking

- Hacking Control panel of Websites
- Making own Virus
- SQL Injection Attack
- Social Engineering Attacks
- Hacking through Google

Cyber Law and Consulting

- What is Cyber Law
- Types of Crimes
- Blogs & Blogger's rights & limitation
- Central Acts & State Acts
- CERT-IND & AO (State level)





TECHKRITI '18

15th - 18th MARCH



Companies:-



You can visit trainer profile here:-

<https://drive.google.com/file/d/0BzjQMOJMLf7WmdBaXV3THdpeXVOLXZrTXp6cVF0aWZDVE13/view?usp=sharing>

Note :- We are attaching sample trainer profile, Trainer need not be same as we are attaching but profile will be similar.



contact_us@techkriti.org
www.techkriti.org



+91-817-590-9969
+91-860-492-6399

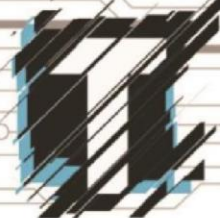


104, New Student Activity
Center, IIT Kanpur



TECHKRITI '18

15th - 18th MARCH



INTERNET OF THINGS ONE -DAY WORKSHOP

DESCRIPTION

What is IOT?

Learn: IoT - an Introduction?

Learn: IoT for Weather Monitoring?

Review: What is IoT?

Build your computer using Raspberry Pi

Learn: What is Raspberry Pi?

Do: Raspberry Pi Board

Do: Installing OS on your Raspberry Pi?

Sense Temperature and Humidity

Learn: Sensors

Learn: Temperature and Humidity Sensors

Do: How to work with DHT 11 Sensor

Review: How to sense Temperature and Humidity

Establish Remote Desktop Connection

Do: Internet Sharing from PC to Raspberry Pi

Do: Setup SSH connection using Putty

Do: Remote server access using VNC server

Raspbian OS

Do: Tools and Applications - An Introduction

Python Programming

Learn: An Introduction

Building IOT Weather Station

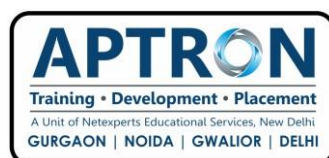
Do: Connecting DHT 11 sensor with Raspberry Pi

Do: Programming the Raspberry Pi for IOT

Testing

Do: Testing the IoT device

Companies:-



You can visit trainer profile here:

<https://drive.google.com/file/d/0BzijQMOJMLf7ZjFBMU5YNEFTSS02OU5nWk5zbDZ1eThYNDY4/view?usp=sharing>

Note :- We are attaching sample trainer profile, Trainer need not be same as we are attaching but profile will be similar.



contact_us@techkriti.org
www.techkriti.org



+91-817-590-9969
+91-860-492-6399



104, New Student Activity
Center, IIT Kanpur