

# Applied Cyber Security and Ethical Hacking

## Course Introduction

Cyber security is not just a buzz word, but rather encapsulates proper understanding of security threats and vulnerabilities, design and implementation of effective controls, the threat environment, cyber-criminology and warfare, detailed risk management and effective security governance across all spheres of the business.

## What Program will cover?

- Secure both clean and corrupted systems, protecting personal data, securing simple computer networks, and safe Internet usage.
- Understand key terms and concepts in cyber law, intellectual property and cybercrimes, trademarks and domain theft.
- Incorporate approaches to secure networks, firewalls, intrusion detection systems, and intrusion prevention systems.
- Understand principles of web security.
- Incorporate approaches for incident analysis and response.
- Incorporate approaches for risk management and best practices.

## Why should learn this course?

To have career opportunities in growing field of information security, software development and security education.

## Who should learn?

Engineers, security researchers, analysts, programmers and computer science students

## Course Duration

3 Months

## **Course Modules: six (6)**

1. Computer systems and the cyber security environment
2. Ethical Hacking
3. Computer systems essentials
4. Analysis, technical writing & cryptography
5. Technical security
6. Cyber security design & Management