

Application and Business Security Developments

Application Development Life CycleUnit

- ★ 1. Application Design
- ★ 2. Application Coding
- ★ 3. Application Testing
- ★ 4. Application Production and Maintenance

Secure Application Development-I

- ★ 1. Critical Application Security Concepts
- ★ 2. Input Validation and Encoding
- ★ 3. Authentication, Authorization and Session Management
- ★ 4. Encryption, Confidentiality and Data Protection

Secure Application Development -II

- ★ 1. Data Access
- ★ 2. Error Handling and Logging
- ★ 3. Server Configuration and Code Management
- ★ 4. Application Threat Modeling

Application Testing and Ethical Hacking

- ★ 1. Assessment Methodologies and Tools
- ★ 2. Application Security Assessments
- ★ 3. WEB Application Scanning and Vulnerability Assessment
- ★ 4. WEB Application Ethical Hacking

BCP, DR Planning and Audit

Risk Analysis

- ★ 1. Introduction to Risk Analysis
- ★ 2. Risk Assessment
- ★ 3. Risk Analysis Techniques and Methodologies
- ★ 4. Risk Mitigation

Business Continuity

- ★ 1. Need for a Business Continuity Program
- ★ 2. Overview of Business Continuity Management Life Cycle
- ★ 3. Defining Organization's Business Continuity Requirements
- ★ 4. Identifying and Selecting Business Continuity Strategies

DR Strategies

- ★ 1. Developing Plans for Computer System RecoveryUnit
- ★ 2. Developing Plans for Business ResumptionUnit
- ★ 3. Plan Templates and Software Tools
- ★ 4. Implementing Crisis Management Framework

BCM Program ManagementUnit

- ★ 1. Maintaining and Administering BCM PlansUnit
- ★ 2. Auditing and Evaluating BCM plansUnit
- ★ 3. Developing and Implementing a BCM ResponseUnit
- ★ 4. Disaster Simulation ExerciseCourse

Digital Forensics

Cyber Crime and Cyber Forensics

- ★ Unit 1. Various Types of Cyber Crimes
- ★ Unit 2. Banking and Financial Crimes
- ★ Unit 3. Identify Thefts and Data Thefts/ Source Code Thefts
- ★ Unit 4. SPAM and BOTNETS(1 Case Study on Nigerian Letter Fraud)

Digital Forensics

- ★ 1. Digital Investigation
- ★ 2. Data Acquisition and Information Gathering
- ★ 3. Forensic Examination of Systems (Keyword, Data recovery, Various tools NKS)
- ★ 4. Forensic Examination of Network Devices (Routers, Firewalls, IDS/IPS etc)

Mobile Forensics

- ★ 1. Introduction to Mobile Forensics and Technologies
- ★ 2. Analysis of CDR's
- ★ 3. Application of SIM Card Reader's
- ★ 4. Forensic Examination of Mobile Devices (Mobile Frauds)

Security Issues in Wireless Technologies

- ★ 1. Introduction to Wireless Technologies
- ★ 2. Wireless Devices
- ★ 3. Securing Wireless Network
- ★ 4. Ethical Hacking- Wireless Security.