**TRAINING PROGRAM TITLE**

**CYBER SECURITY & INCIDENT RESPONSE**

**Eligibility Criteria :** Police Officials, Government Officials , Law Enforcement officials , Forensic Lab Officials **,** Investigating officers, Banking Officials

**Intake :** Minimum 10 & Maximum 30 Officials

**Language of Instruction:** English

**Duration :** 2 weeks

**Location:** Gujarat Forensic Sciences University- Gandhinagar -Gujarat

**Modules / Topics:**

* Role of Forensic Science in Detection of Crime
* Computer Fundamentals
* Introduction to Cyber Crimes / Attacks
* What is Cyber Security?
* Introduction to Networking & Networking (Hands On)
* Configuring Firewall & Firewall Configuration (Hands On)
* Configuring IDS / IPS & IDS / IPS Configuration (Hands On)
* Packet Sniffing and Analysis & Packet Sniffing and Analysis (Hands On)
* Log Analysis & Log Analysis (Hands On)
* Threat Intelligence & Threat Intelligence (Hands On)
* Introduction to VAPT
* Known and Unknown Vulnerabilities
* Introduction to OWASP Top 10
* Introduction to Web Application
* Web Application Security & Web Applications Security using Open Source Tools (Hands On)
* Web Application Security & Web Applications Security using Commercial Tools (Hands On)
* Introduction to Mobile Security
* Understanding Mobile Applications
* Working with Android App Security
* Android App Security (Hands On)
* Understanding Wireless Network Security & Wireless Network Security (Hands On)
* Discovering Unknown Vulnerabilities & Discovering Unknown Vulnerabilities (Hands On)
* Introduction to Malware
* Static Malware Analysis (Hands On)
* Dynamic Malware Analysis (Hands On)
* Debugging and Reverse Engineering (Hands On)
* Introduction to IoT Security
* Introduction to Blockchain and Crypto currencies
* Introduction to Critical Infrastructure
* Laboratories Visit to GFSU labs.
* Laboratories Visit to DFS labs.
* Group Discussion Question & Answers Feedback