forensic. Academy
Cyber Security & Forensic Intelligence Training Centre in India

FORENSIC ACADEMY -CERTIFIED IOT EXPLOITATION EXPERT

Overview Details~ Certified IoT Exploitation Expert is a comprehensive one-month live training program designed for aspiring IoT Security, Network Protocol, Wireless Security, Hardware Exploitation, OT Monitoring, SCADA System.

- Duration: One Months (live online classes)
- Training + Certification Fees: INR 15000/-

Modules

- Introduction to IoT
- Wireless Devices
- Wireless Vulnerability
- IoT Vulnerable devices
- IoT architecture (device, gateway, cloud)
- IoT communication model
- IoT Hardwre components
- IoT Attack Surface overview
- Common IoT Operating System
- IoT Exploitation
- Router Exploitation
- UART Exploitation
- SPI & I2C bus Analysis
- Flash memory dumping
- EEPROM extraction
- Firmware extraction methods
- Firmware unpacking
- Binwalk usage
- Backdoor discovery
- Firmware modification & repacking

- Network scanning IoT for devices
- Banner grabbing
- Shodan reconnaissance
- MITM
- DNS spoofing
- IoT botnets
- Traffic interception
- Web & API exploitation in IOT
- Default credential attack
- AUTH ioT Attack
- Smart camera hacking
- ICS risk Analysis
- SCADA hacking
- OT Exploitation
- OT system monitoring
- OT Protocol Risk Analysis