Techonquer Certified Cyber Crime Investigator (TCCI)

📅 **Course Duration: 2 Months**
📅 **Class Frequency: 4 Classes per Week**
⏳ **Class Duration: 1 to 1.5 Hours (7 PM – 8.30PM)**

🕵️ Part 1: Advanced OSINT & Cyber Crime Investigation

1️⃣ OSINT Fundamentals & Legal Considerations

- OSINT in Cyber Crime Investigations
- Indian Cyber Laws & Ethical Hacking Boundaries
- OSINT Tools Setup (Google Dorking, Recon-ng, SpiderFoot)

2️⃣ Social Media & Digital Footprint Analysis

- Social Media Account Tracing (FB, Twitter, Instagram, Telegram)
- Identifying Fake Profiles & Bot Networks
- Metadata Analysis of Images & Videos (EXIF, InVID)

3️⃣ Phone Number, Email & Username OSINT

- Reverse Lookup for Numbers (Truecaller OSINT, HLR Lookup)
- Email Tracking & Spoofing Investigation
- Username Correlation Across Multiple Platforms

4️⃣ Dark Web & Deep Web OSINT

- Accessing Onion Sites for Investigations
- Finding Stolen Data (Ahmia, Recon-ng)
- Cryptocurrency & Dark Web Transactions

5️⃣ Advanced Geo-Location & Address Investigation

- Reverse Image Search for Location Tracking
- Tracking Devices via Wi-Fi, IP & Cell Towers
- Tools: Google Earth, OpenStreetMap, Geolocation APIs

💻 Part 2: Advanced Digital Forensics & Incident Response

6️⃣ Introduction to Digital Forensics & Chain of Custody

- Cyber Crime Scene Investigation
- Chain of Custody & Handling Digital Evidence

- Live vs Dead Forensics

7️⃣ Disk & Data Recovery Forensics

- Recovering Deleted Files & Hidden Partitions
- Imaging & Hashing Techniques
- Identifying Malicious File Manipulation
- Tools: **Autopsy, FTK Imager, WinHex**

8️⃣ Mobile Device & Email Forensics

- Extracting Data from Android & iOS
- SIM Cloning & Call Log Forensics
- Email Header Analysis & Phishing Investigation

9️⃣ Network & Packet Forensics

- Investigating Cyber Attacks using Packet Capture
- Identifying Malicious Network Traffic
- Live Packet Analysis for Incident Response
- Tools: **Wireshark, Zeek, Splunk**

🔟 Malware & Memory Forensics

- Extracting & Analyzing RAM Data
- Reverse Engineering Malware & Ransomware

1️⃣1️⃣ Cloud & IoT Forensics

- Investigating Cloud Data Breaches
- Log Analysis in AWS, Azure & Google Cloud
- IoT Device Forensics & Smart Home Investigations

1️⃣2️⃣ CCTV, Image & Document Forensics

- Enhancing Low-Quality CCTV Footage
- Identifying Tampered Documents & Images
- Deepfake & Fake Image Detection

⚖️ Part 3: Cyber Laws & Reporting Procedures

1️⃣ Indian Cyber Laws & Investigation Procedures

- IT Act, 2000 (Relevant Sections for OSINT & Forensics)
- Evidence Handling & Court Admissibility

2️⃣ Reporting Cyber Crimes & Law Enforcement Coordination

- Filing Complaints with Cyber Crime Cells

- Digital Evidence Documentation for Legal Cases

🎯 Final Project & Certification

- **Real-Life Cyber Crime Investigation Task**
- **Final Report Submission & Feedback**
- **TCCI ICertification**