

## **Day 93**

### **Topic: Digital Forensics**

**Objective:** To recover deleted data and investigate digital evidence.

#### **Theoretical Concepts:**

We introduced the "Chain of Custody." We explained that "deleted" files are often just marked as free space but remain on the disk. We discussed disk imaging (bit-by-bit copy).

#### **Practical Work:**

We used **FTK Imager** to create a forensic image of a USB drive. We then used **Autopsy** (or PhotoRec) to analyze the image and recover "deleted" photos and documents. We analyzed file metadata to establish a timeline of events.

**Tools Used:** Autopsy, FTK Imager.

**Outcome:** Ability to recover lost data and perform basic forensic investigations.