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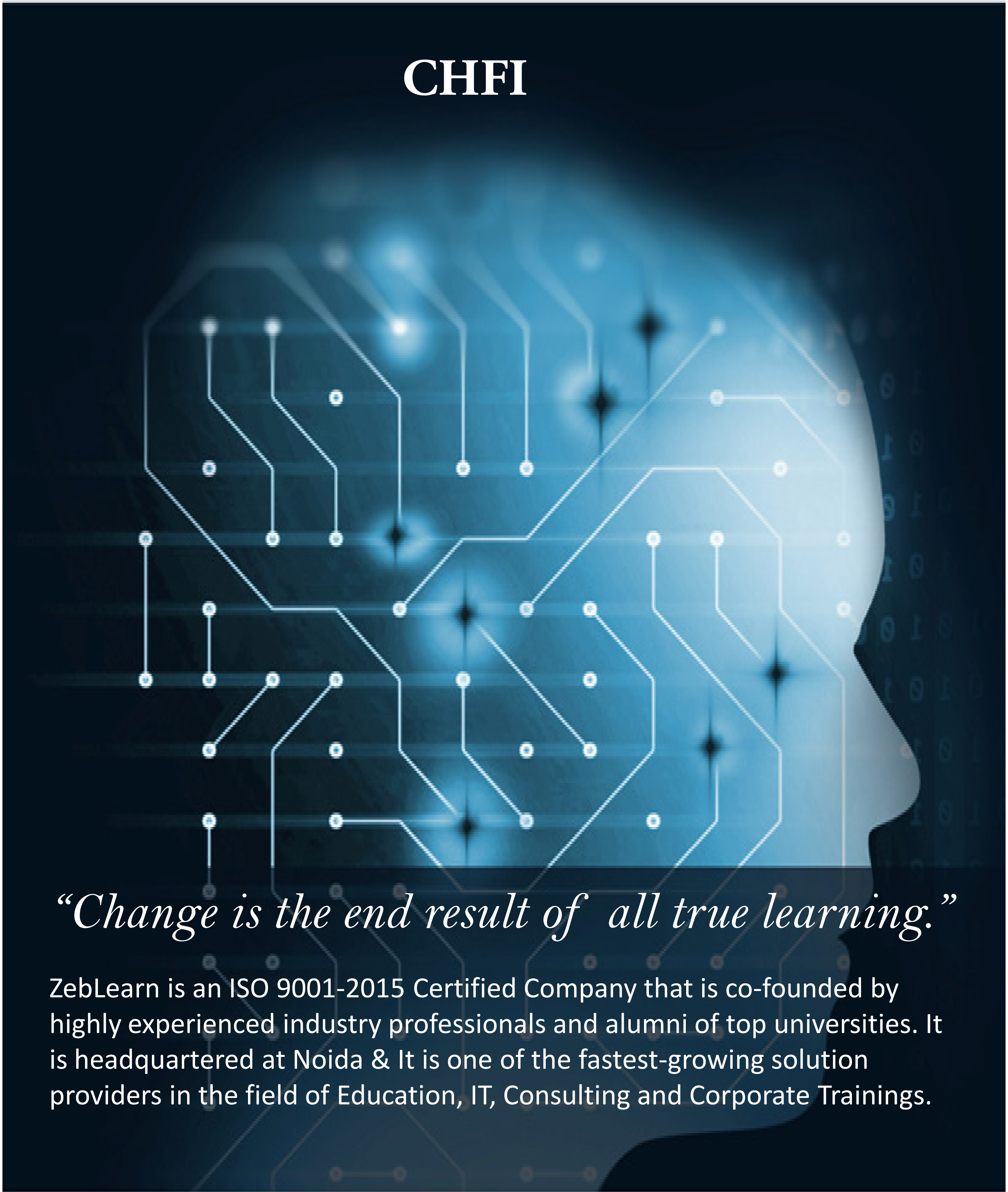

CHFI

“Change is the end result of all true learning.”

ZebLearn is an ISO 9001-2015 Certified Company that is co-founded by highly experienced industry professionals and alumni of top universities. It is headquartered at Noida & It is one of the fastest-growing solution providers in the field of Education, IT, Consulting and Corporate Trainings.

Computer Forensics in Today's World

- Understanding Computer Forensics
- Why and When Do You Use Computer Forensics?
- Cyber Crime (Types of Computer Crimes)
- Case Study
- Challenges Cyber Crimes Present for Investigators
- Cyber Crime Investigation

❖ Computer Forensics Investigation Process

- Importance of Computer Forensics Process
- Phases Involved in the Computer Forensics Investigation Process
- Pre-investigation Phase
- Computer Forensics Investigation Methodology: Search and Seizure

❖ Understanding Hard Disks and File Systems

- Hard Disk Drive Overview
- Disk Drive Overview
- Hard Disk Drive (HDD)
- Solid-State Drive (SSD)
- Physical Structure of a Hard Disk
- Logical Structure of Hard Disk
- Types of Hard Disk Interfaces
- Hard Disk Interfaces

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Operating System Forensics

- Collecting Volatile Information
- Collecting Non-Volatile Information
- Analyze the Windows thumbcaches
- Windows Memory Analysis
- Virtual Hard Disk (VHD)
- Memory Dump

Defeating Anti-Forensics Techniques

- **Definition of Anti-Forensics**
- **Goals of Anti-Forensics**
- **Anti-Forensics techniques**
- **Data/File Deletion**
- **What Happens When a File is Deleted in Windows?**
- **Recycle Bin in Windows**

Data Acquisition and Duplication

- Data Acquisition and Duplication Concepts
- Understanding Data Acquisition
- Types of Data Acquisition Systems
- Live Data Acquisition
- Order of Volatility
- Common Mistakes in Volatile Data Collection
- Volatile Data Collection Methodology
- Static Acquisition

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Network Forensics

- Introduction to Network Forensics
- Fundamental Logging Concepts
- Event Correlation Concepts
- Event Correlation
- Network Forensic Readiness
- Network Forensics Steps

Investigating Web Attacks

- Introduction to Web Application Forensics
- Web Attack Investigation
- Investigating Web Server Logs
- Web Attack Detection Tools
- Tools for Locating IP Address
- WHOIS Lookup Tools

❖ Database Forensics

- Database Forensics and Its Importance
- MSSQL Forensics
- Database Forensics Using SQL Server Management Studio
- Database Forensics Using ApexSQL DBA

❖ Cloud Forensics

- Introduction to Cloud Computing
- Types of Cloud Computing Services
- Cloud Computing Threats
- Cloud Computing Attacks
- Cloud Forensics

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Malware Forensics

- Introduction to Malware
- Introduction to Malware Forensics
- Types of Malware Analysis
- Malware Analysis: Static
- Malware Analysis: Dynamic

Investigating Email Crimes

- Email System
- Email Crimes (Email Spamming, Mail Bombing/Mail Storm, Phishing, Email Spoofing, Crime via Chat Room, Identity Fraud/Chain Letter)
- Email Message
- Steps to Investigate Email Crimes and Violation
- Email Forensics Tools
- Laws and Acts against Email Crimes

Mobile Forensics

- Mobile Device Forensics
- Why Mobile Forensics?
- Top Threats Targeting Mobile Devices
- Mobile Hardware and Forensics
- Mobile OS and Forensics
- What Should You Do Before the Investigation?
- Mobile Forensics Process

Investigative Reports

- Writing Investigation Reports
- Expert Witness Testimony

Thanks you

Now or Never