

**AVICHI COLLEGE OF ARTS AND SCIENCE**  
**DEPARTMENT OF CRIMINOLOGY AND CRIMINAL JUSTICE SCIENCE**  
**VALUE ADDED COURSE ON “CYBERCRIME IN FINANCIAL SECTOR”**  
**SYLLABUS**

**Course Objective:**

- To understand the meaning, scope and origin of financial crime and cybercrime.
- To understand the interdisciplinary nature of financial crime with other forms of cybercrime
- To familiarize the different forms of financial crime in cyberspace and critically identify the contribution of each cybercrime to make economic loss
- To analyze typologies of frauds including insurance frauds, investment frauds, call center scams, credit/debit card frauds and so on.
- To understand the legislations and policies which protect the people from various financial crime in cyber space.

**Course Outcome:**

- Understand the definition, scope and typology of cybercrime
- Understand the meaning, scope and development of frauds in financial institutions
- Understand the various fraud schemes in cyberspace which facilitates financial crime
- Familiarize the legislations and policies in India and World
- Understand the concepts of cyber/digital forensics

**Unit 1: Cyber Crime**

**Cybercrime** – Definition and Scope; Classification of cybercrime; Trends in cybercrime – worldwide; **Typology of cybercrime** – hacking, cracking, DoS & DDoS attack – Viruses, Worms, Malwares, Bombs, Email bombing, data diddling, salami attacks, phishing, cyber stalking, spoofing, defamation, cyber pornography, cyber terrorism, identity theft.

## **Unit 2: Financial Crime**

**Financial crime-** Meaning and Scope; Origin and development of frauds in financial institutions; Main types of financial frauds; Comparison between financial crime and conventional crimes; Impact of financial crimes in the Indian Economy.

## **Unit 3: Fraud Schemes**

**Fraud** – Definition, Understanding fraudulent behavior, Fraud triangle, Modus operandi adopted by fraudsters; **Typology of financial frauds** – insurance frauds, E-commerce frauds, intellectual property frauds, investments frauds, call center scams, stock market frauds, money laundering, hawala system, credit/debit card frauds, accounting frauds, procurement frauds, insider trading.

## **Unit 4: Legislations and Policies**

**Cyber laws in India** – Information Technology (amended) Act,2008: Cyber Laws across the globe, UNCITRAL, Securities and Exchange Board of India(SEBI), Insurance Regulatory and Development Authority (IRDA), World Trade Organizations, Role of RBI in regulating bank frauds, International fraud risk mechanism to prevent financial frauds, Digital Personal Data Protection Bill(2022), Role of media, Whistleblowers.

## **Unit 5: Cyber/Digital Forensics**

**Cyber/Digital Forensics** – Nature and Scope; Cyber forensics lifecycle, Chain of Custody, Search, seizure and preservation of digital evidence, Cyber forensics tools, Cloud forensics, Data privacy issues, Cryptography, Cyber forensics division in State and Central Governments, Cybercrime cells, Helpline-1930.