

ADVANCED EXECUTIVE COURSE ON INFORMATION SECURITY & DIGITAL FORENSICS

exclusively designed for Chandigarh UT Police



Organized by
Cyber Security Research Centre
Punjab Engineering College, Chandigarh

SEPTEMBER 22, 2023 - NOVEMBER 25, 2023

INTRODUCTION

Cyber Security Research Centre at PEC has designed an exclusive Advanced Executive Programme, a Certificate Course for the UT Police. This carefully crafted course aims to assist state law enforcement agencies and senior defense officers in leading cybercrime investigations, generating actionable intelligence, and facilitating information exchange and cooperation among them.

Cyber Security Research Centre has been conducting extensive research studies on police subjects. It is pleased to expand its resource base in the Contemporary as well as Advanced Technologies relevant to the Police to develop a holistic understanding of all the aspects of cyber security.

STRUCTURE OF THE COURSE

The course is organized in weekly sessions. The experts will teach the fundamentals of crime and investigations on the internet and digital media. The sessions will emphasize advanced topics broadly, including social media analysis, big data analytics, machine learning for crime investigations, and various tools and techniques to analyze digital footprints. The sessions include theory as well as hands-on practice for the topics. A team of academicians and security advisors designed the course syllabus. The model of delivery of the case will be through lectures, case studies, class activities, and mini-projects.

KEY TOPICS

- Ice Breaking & Networking Session
- Banking Fraud and investigation tools
- Dark web crimes & investigation tools
- OSINT extraction tools & techniques
- Data recovery & and analysis from digital devices
- Smartphone forensics
- Social media analysis & investigation techniques
- Forensics Biometric technology
- Cloud computing & cloud forensics
- Machine learning for criminal investigations
- Big data analytics
- Interpretation of IT Act, IPC, CrPC and Indian Evidence Act and Role of various Cyber Agencies
- Case studies, Presentations & Mini Projects

DURATION OF THE COURSE

The course will commence on Sept 22, 2023 - Nov 25, 2023, and is scheduled to be held on weekends (Fridays & Saturdays).

TIMINGS OF THE COURSE

Fridays: 2:00 PM – 6:00 PM (04hrs)
Saturdays: 10:00 AM – 7:00 PM
(07hrs with breaks)

VENUE

Conference room, New Academic block, PEC.