Available @

Notes
Syllabus
Question Papers
Results and Many more...

www.AllAbtEngg.com

CS8074 CYBER FORENSICS

DETAILED SYLLABUS

OBJECTIVES:

- To learn computer forensics
- To become familiar with forensics tools
- To learn to analyze and validate forensics data

UNIT I INTRODUCTION TO COMPUTER FORENSICS

Introduction to Traditional Computer Crime, Traditional problems associated with Computer Crime. Introduction to Identity Theft & Identity Fraud. Types of CF techniques - Incident and incident response methodology - Forensic duplication and investigation. Preparation for IR: Creating response tool kit and IR team. - Forensics Technology and Systems - Understanding Computer Investigation – Data Acquisition.

UNIT II EVIDENCE COLLECTION AND FORENSICS TOOLS

Processing Crime and Incident Scenes – Working with Windows and DOS Systems. Current Computer Forensics Tools: Software/ Hardware Tools.

UNIT III ANALYSIS AND VALIDATION

Validating Forensics Data – Data Hiding Techniques – Performing Remote Acquisition – Network Forensics – Email Investigations – Cell Phone and Mobile Devices Forensics

UNIT IV ETHICAL HACKING

Introduction to Ethical Hacking – Foot printing and Reconnaissance - Scanning Networks - Enumeration - System Hacking - Malware Threats - Sniffing

UNIT V ETHICAL HACKING IN WEB

Social Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Web Applications - SQL Injection - Hacking Wireless Networks - Hacking Mobile Platforms.

TEXT BOOKS:

- 1. Bill Nelson, Amelia Phillips, Frank Enfinger, Christopher Steuart, —Computer Forensics and Investigationsll, Cengage Learning, India Edition, 2016.
- 2. CEH official Certfied Ethical Hacking Review Guide, Wiley India Edition, 2015.

<u>REFERENCES</u>

- 1. John R. Vacca, —Computer ForensicsII, Cengage Learning, 2005
- 2. MarjieT. Britz, —Computer Forensics and Cyber Crimell: An Introductionll, 3rd Edition, Prentice Hall, 2013.
- 3. AnkitFadia Ethical Hackingll Second Edition, Macmillan India Ltd, 2006
- 4. Kenneth C. Brancik —Insider Computer Fraudl Auerbach Publications Taylor & Examp; Francis Group—2008.