cyberonime: as any oriminal misconduct corried word retwork technical gadgate or the internet. > Email sporting Types of cyber vimes \*Spamming is owne agames individual - Harrassment & cyberstulk ii's crime against property - intellectual mands -> Intellectual property + Internet time illy or me against organization - unacuss of computer La Logic Bomb ivy crime against society La Dandling La virus La solami Cyber Terrorism Jacking La Emall Bombly Protection against expercions: to use complex passwords > keep online profiles sever safeguarding data -> Safequard mobile devices + secure on line I dentity 1> safeguarding computers with security software Types of cyber criminal: 7 at white 1- Hackers >by Grey 2- Internet stalkers 3. Disgruntled Employees 4. Phreakers

phases of Ethical Hacking 14 Reconnaissance 117 Scanning uly Gaining Access IVY Maintaining Access vir reporting vir Post - Testing Actions. HEROMANIE MICH

	Oate
	add of the second of the secon
	Digital Forensics
	TAM PART
	sprouse of inus Hyating wimes committed using any type of compating during (such as computer, surviva, laptop, and otherway).
	at compating during (such as company)
	phones).
	1 10 00 - 101 101111
	preserve, identity, accquire, document digital evidence to
	be used in court of law.
	Process of Digital Forensics:
iy	- Lindian
	Tourney purpose of investigation, resources regains.
rii	Bresitvation:
	Data is isolated, secured and preserved.
riii	Analysis:-
	Identity tool and techniques, process data, Interpret
	Analysis result.
tui	
	Documentation at onime at seems, along with photograp
	sutchig and a vinemapping
57	Presentation 1-
	broars of & onwarder 3 oppour and of blay oppour a course 1800
	does with help of gathered tack.

Types of Digital Forensius:~

Disk Forensies.

, Metwork Forensics

wells Forensics

, parabase foreneics

, Malware forensies

. Email Forensics

· memory forensics

Digital Evidences:

1. Logs.

. 05 L098

· Database Logs

o Email Logs

· phone logs

· Network 1095

· IP1093

· serur 1093

. Denice the rubuints

2. Video Footage and 2 mages

3. Aruniues

4. Active para

5. Metadata

6. Residual data

7. Volatile Data.

8. Replicant pairon.

surred to the present on

## common Anti-Forensic techniques:

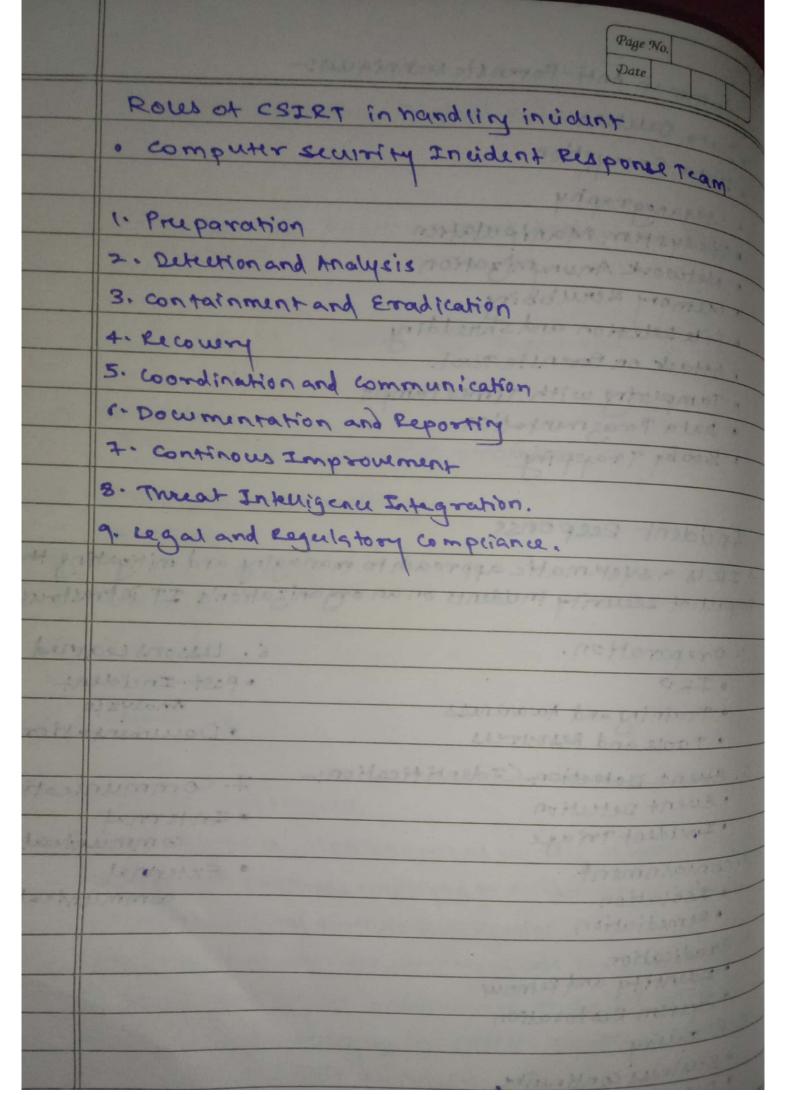
- · Data Deletion
- , Dorta Enouption
- · Stegarography
- · Filesystem Manipulation
- · Network Anummization
- · Memory scrubbing · File Deletion and Shredding
- a Attack on forensic Tool.
- · Tamperty with Timestamps
- · Data Pragnersation
- · Booby Trapping

## Phident Response

+ IR is a systematic approach to managing and mitigating the Empact of security incidents on an organization's IT intrastructure.

- 1. preparation.
  - · TRP
  - · Training and Awareness
    · Tools and Resources
- 2. Event Detection Codentitication:
  - · Event Detection
  - · Incident mage
- 3. containment
  - · Isolation
  - · Remediation
- 4- Eradication
  - · Edentity and Remove
  - · System Rustoration
- 5. Recovery
  - · Businessi continuity
  - · Data Recovery

- 6. Lessons Legened
  - · Past-Incident Analysis
    - · Doumentation
  - 7. communication
  - · Internal communication
  - · External communication



## Mad 61- Report Generation.

Forensic Report in Goals at Forensic Reportin

- , Documentation et Evidence
- . Analysis and Interpretation
- carring and Precision
- . Objectivity and Impartiality
- . compliance and standards
- . support for Legal Proceeding
- · Transparency and Accountability
- · Risk Mitigation

Layour at Forensie Report

compater formste Report Templak renottibbed Investigative Relivant support Subsections computer teals Objectives Details Fradings Executive Evidence Summary Analy 3cd Recommendations Internet User Affaller ACHVITY Application Methodology