

D. B. J. COLLEGE, CHIPLUN Page No.: -

DEPARTMENT OF COMPUTER SCIENCE

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Expt. No.	Name: Piyush Pandurang Burate. Class: TYCS Roll No.: 523				
	Title of Experiment: Recovering and inspecting deleted files				
Date	Sub titles: Assignment/ Problem Solution, Flow chart/Algorithm, Problem Listing,				
	Input Screen, Output Screen, Comments (If any)				
	Aim: - Recovering and inspecting deleted files: - Check for deleted files.				
	- Analyzing and inspecting the recovered				
	Files perform the using recovery option				
	in Encase and perform manually through				
	command line.				
	Conventance				
	SW/HW Requirement: - FTK imager, computer,				
	printer.				
	Theory :-				
	—				
	Types of attempts in destroying files.				
	۵, ۱				
	Modern computer hard drives contain an				
	assartment of data including an operating				
	system application of programs and user				
	data stored in files. Drives also contain				
	backing store of memory and Os meta.				
	information such as directory files, attributes				
	and allocation to beets drivers includes				
	directory blocks startup of S/W.				
Remark	σ .				
Signature					

Level	Found	Description.
Level O	Regular Files	Inforcontained in the file system. Includes a file non the attributes and file cont one can directly access system
Level 1	Temporary Files	Temporary files include prin spooler browser cache files helper and recycle bin file
Level 2	Deleted Files	Inhen a file is deleted from file system, most OS do no overwrite the blocks on the hard disk the file most directory Morton utilities.
Level 3	Retained data blocks	Data that can be recovered from a disk but which does not obviously belong to named file level 3 data include in in slack space backing tool level 3.
Level 4	Vendor hidden blocks	This level consists of data blocks that can only be access using vendor specific common This level and blocks management.

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Level 5	Overwritten	Many individuals maintain that
	data	information can be recovered
		from a hard drive even after,
		it overwritten me reserve
		5 level info.

Technique to Recover—

The tools technique and methodology of electronic gathering and analysis have been tried and proven and are accepted in many countries through out the investigation.

Company of the Compan		
Tools	Platform	Mature
Drives	DOS/ININdows	Inspect stack space and deleted
	,	File metadata
Forensic	Introdous	Graphic search and preview
toolkit		of forensic into an of including
		searches for JPEG images
		and internet text.
1100k	Idindow	Handles dozens of files
		system to available to us
		government agencies.
		0
Norton	Introdow	Handler clozens of file system
utilities		explorer interface to deleted
		files generates law agencies.
		J

Conclusion:
The recovered deleted files using Access data

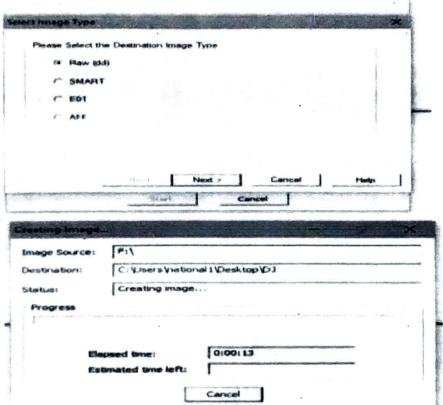
FTK imager.

Practical 6

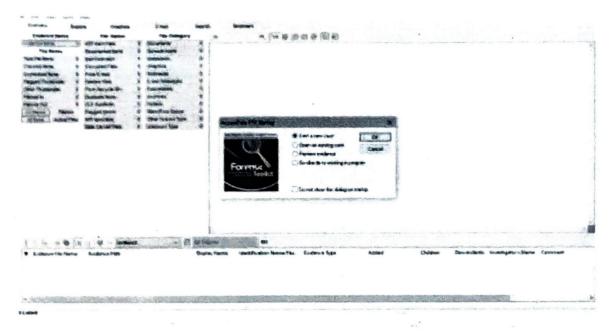
1.Open AccessData FTK Imager. Click on File > Create Disk Image



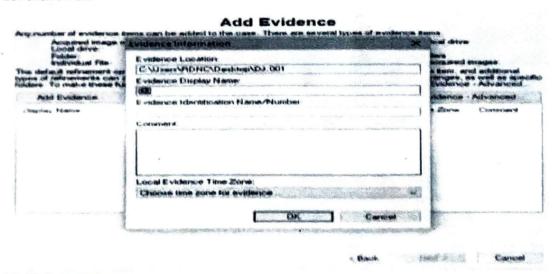
- 1. Creates a new data made
 - 2. Type the destination path.
 - 3. Click on Logical drive.
 - 4. Click on Add > Browse
 - 5. Select the type of data format and click next



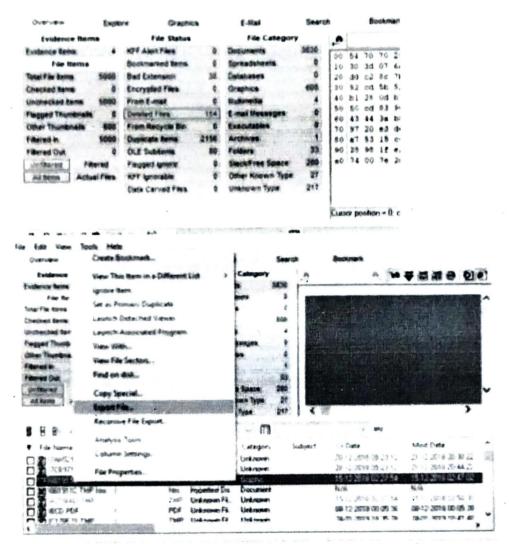
6. Open the Forensic toolkit and click on file > new case



- 7. Enter the details and click on next
- 8. Click on next
- 9. Click on next
- 10. Click on next
- 11. Click on Add Evidence > Acquired Image of Drive > Continue
- 12. Select the image file
- 13. Click on OK



- 14. Click on next
- 15. Click on Finish
- 16. Files are being carving.
- 17. In the left panel you can see all the recovered files.
- 18.Click on the Deleted file tab-> Right click on any deleted file to export it



19. Browse and choose the destination folder to export the deleted file

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