



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF INFORMATION TECHNOLOGY

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TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20CC6L02	CYBER CRIME INVESTIGATION & DIGITAL FORENSICS LAB	VI	CSE-CS	3 Periods	2024-25	18-11-2024

COURSE OUTCOMES

1	Learn the importance of a systematic procedure for investigation of data found on digital storage media that might provide evidence of wrong-doing
2	To Learn the file system storage mechanisms and retrieve files in hidden format
3	Learn the use of computer forensics tools used in data analysis
4	Learn how to find data that may be clear or hidden on a computer disk, find out the open ports for the attackers through network analysis, Registry analysis.

Experiment Number	Experiment	Contact Hours
1	Perform email analysis using the tools like Exchange EDB viewer, MBOX viewer and View user mailboxes and public folders, Filter the mailbox data based on various criteria, Search for particular items in user mailboxes and public folders	3
2	Perform Browser history analysis and get the downloaded content, history, saved logins, searches, websites visited etc using Foxton Forensics tool, Dumpzilla	3
3	Perform mobile analysis in the form of retrieving call logs, SMS log, all contacts list using the forensics tool like SAFT.	3
4	Perform Registry analysis and get boot time logging using process monitor tool.	3
5	Perform Disk imaging and cloning the using the X-way Forensics tools.	3
6	Perform Data Analysis i.e., History about open file and folder, and view folder actions using Last view activity tool.	3
7	Perform Network analysis using the Network Miner tool.	3
8	Perform information for incident response using the crowd Response tool.	3
9	Perform File type detection using Autopsy tool.	3
10	Perform Memory capture and analysis using the Live RAM capture or any forensic tool.	3
CUMULATIVE PROPOSED PERIODS		30

	Name	Signature with Date
i. Faculty	Mrs. R. Uma Aruna Devi	R. Uma Aruna Devi
ii. Module Coordinator	Dr. RVVSV Prasad	Dr. RVVSV Prasad
iii. Programme Coordinator	Dr. RVVSV Prasad	Dr. RVVSV Prasad

A. M. S.
Principal