



Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India
(Autonomous Institute Affiliated to University of Mumbai)

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned				
		L	T	P	L	T	P	Total	
CPEL8034	Elective-III Digital Forensics Lab	--	--	2	--	--	1	1	
		Examination Scheme							Total
		ISE		ESE			Total		
		40		-	20			60	

Pre-requisite Course Codes		CPE8034(Digital Forensics)
At end of successful completion of this course, student will be able to		
Course Outcomes	CO1	Identify issues and analysis of networking.
	CO2	An ability to use current techniques, skills, and tools necessary for computing practice.
	CO3	An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs.
	CO4	Better appreciate the difficulty of the task of a digital forensics analyst.

Exp. No.	Experiment Details	Ref.	Marks
1	Study and Analysis of Network.	1,3	5
2	Listing and Tracking Network Related Process.	1,4	5
3	Collecting Information about given Domain.	2,4	5
4	Windows/ Linux Log Analysis.	3,4	5
5	Project/Case Work – Topic Approval for Synopsis	4,5	5
6	Project/Case Work – Objective and Work Plan	3,5	5
7	Project/Case Work – Review of Literature, Documentation, Presentation.	2,5	5
8	Digital and Cyber forensic case documentation.	6,7	5
Total Marks			40

References:

- [1] Kevin Mandia, Chris Prosis, "Incident Response and computer forensics", Tata McGrawHill, 2006
- [2] Peter Stephenson, "Investigating Computer Crime: A Handbook for Corporate Investigations", Sept 1999
- [3] Eoghan Casey, "Handbook Computer Crime Investigation's Forensic Tools and Technology", Academic Press, 1st Edition, 2001
- [4] Skoudis. E., Perlman. R. Counter Hack: A Step-by-Step Guide to Computer Attacks and Effective Defenses. Prentice Hall Professional Technical Reference. 2001.



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[5] Norbert Zaenglein, "Disk Detective: Secret You Must Know to Recover Information From a Computer", Paladin Press, 2000

[6] Bill Nelson, Amelia Philips and Christopher Steuart, "Guide to computer forensics investigation" "Course technology, 4th edition