

SEMESTER LESSON PLAN (Theory)

Department of CSE

PG Autonomous

(THEORY SUB – 1)

LESSON PLAN for academic year 2021 - 22 ; (Odd Sem : FEB 2022 - May 2022)

Class / Sem / Sec :	(I SEM)
Subject Name 1 :	Cyber Security and Cyber Laws
Subject Code 1:	20SCS163
Start of semester (Commencement) :	07-02-22
End of semester (Last working day) :	19-05-2022
Ref. Doc. No. :	
Issue No. & Date :	

As per syllabi (periods reqd.)	52	Actual classes reqd. (periods)	50	Sp. classes reqd. (periods)	-	No. of units in syllabi	5
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Total number of periods required (for completing the syllabus) as per Lesson Plan	:	52
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Total number of periods available (for completing the syllabus) as per Time-Table & calendar of events (COE)	:	51
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No. of hrs. / periods prescribed by university (for completing the syllabus)	:	04
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No. of credits prescribed by the university (for completing the syllabus)	:	3:0:0
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Excess periods taken apart from planned periods / hours	:	--
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No. of hrs. / periods actually taken for the whole semester at the end	:	
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Have you prepared the notes of the theory subject as per lesson plan?	:	Yes	No
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If portions completed early before the planned periods (write the no. of classes taken), what is the reason for finishing early? Even in the planned periods or even after taking extra classes, if syllabus is not completed (all the units/modules), what is the reason?	:	--
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Test / Exam dates scheduled & conducted as per Calendar of Events (COE)		Planned	Conducted
CIE Test – I	:	23-02-22	23-02-22
CIE Test – II	:	22-04-22	22-04-22
CIE Test – III	:	25-05-22	25-05-22
Theory exam date (SEE) - Final	:	<u>13-06-22</u>	

Unit	Ln No.	Lesson / Topics to be planned-covered as per the teaching plan	Planned Date	Actual Date	Sign	Rem
1	L 1.	Computer Forensics Fundamentals : Introduction to Computer Forensics	7/2	7/2	✓	✓
	L 2.	Use of Computer Forensics in Law Enforcement	8/2	8/2	✓	
	L 3.	Use of Computer Forensics in Law Enforcement (Continuation)	10/2	10/2	✓	
	L 4.	Computer Forensics Assistance to Human Resources/Employment Proceedings (Continuation)	11/2	11/2	✓	
	L 5.	Computer Forensics Assistance to Human Resources/Employment Proceedings (Continuation)	14/2	14/2	✓	
	L 6.	Computer Forensics Services (Continuation)	15/2	15/2	✓	
	L 7.	Computer Forensics Services (Continuation)	17/2	17/2	✓	
	L 8.	Computer Forensics Services (Continuation)	18/2	18/2	✓	
	L 9.	Benefits of Professional Forensics Methodology	20/2	20/2	✓	
	L 10.	Benefits of Professional Forensics Methodology (Continuation)	22/2	22/2	✓	
2	L 11.	Types of Computer Forensics Technology Types of Military Computer Forensic Technology	24/2	24/2	✓	✓
	L 12.	Types of Law Enforcement: Computer Forensic Technology (Continuation)	25/2	25/2	✓	
	L 13.	Types of Business Computer Forensic Technology, Specialized Forensics Techniques	28/2	28/2	✓	
	L 14.	Types of Business Computer Forensic Technology, Specialized Forensics Techniques (Continuation)	3/3	3/3	✓	
	L 15.	Hidden Data and How to Find It, Spyware and Adware	4/3	4/3	✓	
	L 16.	Encryption Methods and Vulnerabilities	7/3	7/3	✓	
	L 17.	Protecting Data from Being Compromised, Internet Tracing Methods	8/3	8/3	✓	
	L 18.	Security and Wireless Technologies ,Avoiding Pitfalls with Firewalls	10/3	10/3	✓	
	L 19.	Security and Wireless Technologies ,Avoiding Pitfalls with Firewalls (Continuation)	11/3	11/3	✓	
	L 20.	Biometric Security Systems.	14/3	14/3	✓	

3	L 21.	Types of Computer Forensics Systems Internet Security Systems	15/3	15/3	<input checked="" type="checkbox"/>
	L 22.	Intrusion Detection Systems, Firewall Security Systems	17/3	17/3	<input checked="" type="checkbox"/>
	L 23.	Storage Area Network Security Systems, Network Disaster Recovery Systems	18/3	18/3	<input checked="" type="checkbox"/>
	L 24.	Public Key Infrastructure Systems, Wireless Network Security Systems	21/3	21/3	<input checked="" type="checkbox"/>
	L 25.	Public Key Infrastructure Systems, Wireless Network Security Systems (Continuation)	22/3	22/3	<input checked="" type="checkbox"/>
	L 26.	Satellite Encryption Security Systems, Instant Messaging (IM) Security Systems	23/3	23/3	<input checked="" type="checkbox"/>
	L 27.	Net Privacy Systems, Identity Management Security Systems (Continuation)	28/3	28/3	<input checked="" type="checkbox"/>
	L 28.	Net Privacy Systems, Identity Management Security Systems	29/3	29/3	<input checked="" type="checkbox"/>
	L 29.	Identity Theft , Biometric Security Systems	31/3	31/3	<input checked="" type="checkbox"/>
	L 30.	Identity Theft , Biometric Security Systems (Continuation)	5/4	5/4	<input checked="" type="checkbox"/>
	L 31.	Homeland Security Systems	7/4	7/4	<input checked="" type="checkbox"/>
4	L 32.	Data Recovery Data Recovery Defined	8/4	8/4	<input checked="" type="checkbox"/>
	L 33.	Data Backup and Recovery ,The Role of Backup in Data Recovery	11/4	11/4	<input checked="" type="checkbox"/>
	L 34.	The Data-Recovery Solution ,Hiding and Recovering Hidden Data	12/4	12/4	<input checked="" type="checkbox"/>
	L 35.	Evidence Collection and Data Seizure Why Collect Evidence?	18/4	18/4	<input checked="" type="checkbox"/>
	L 36.	Collection Options ,Obstacles	19/4	19/4	<input checked="" type="checkbox"/>
	L 37.	Types of Evidence ,The Rules of Evidence	22/4	22/4	<input checked="" type="checkbox"/>
	L 38.	Types of Evidence ,The Rules of Evidence (Continuation)	25/4	25/4	<input checked="" type="checkbox"/>
	L 39.	Volatile Evidence ,General Procedure Collection and Archiving	26/4	26/4	<input checked="" type="checkbox"/>
	L 40.	Volatile Evidence ,General Procedure Collection and Archiving (Continuation)	28/4	28/4	<input checked="" type="checkbox"/>

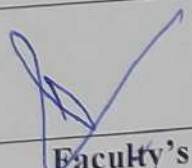
	L 41.	Methods of Collection, Artifacts	29/4	29/4	<input checked="" type="checkbox"/>	} done
	L 42.	Methods of Collection, Artifacts (Continuation)	2/5	2/5	<input checked="" type="checkbox"/>	
5	L 43.	Duplication and Preservation of Digital Evidence	5/5	5/5	<input checked="" type="checkbox"/>	
	L 44.	Preserving the Digital Crime Scene	6/5	6/5	<input checked="" type="checkbox"/>	
	L 45.	Computer Evidence Processing Step.	9/5	9/5	<input checked="" type="checkbox"/>	
	L 46.	Computer Image Verification and Authentication Special Needs of Evidential Authentication.	10/5	10/5	<input checked="" type="checkbox"/>	
	L 47.	Computer Image Verification and Authentication Special Needs of Evidential Authentication (Continuation)	12/5	12/5	<input checked="" type="checkbox"/>	
	L 48.	Practical Considerations	13/5	13/5	<input checked="" type="checkbox"/>	
	L 49.	Practical Considerations (Continuation)	16/5	16/5	<input checked="" type="checkbox"/>	
	L 50.	Special Needs of Evidential Authentication.	17/5	17/5	<input checked="" type="checkbox"/>	
	L 51.	Biometric Security.	20/5	20/5	<input checked="" type="checkbox"/>	
	L 52.	Practical Considerations (Continuation)	-	-		

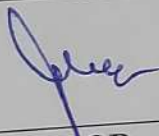
Percentage of portions covered (No. of units covered / total no. of units)	5 Units 100%
Reason for not completing 100 % syllabus	—

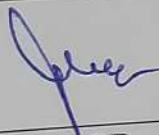
**Text-books (T) / Reference-books (R) - University Prescribed / Referred
(Author, Title of Book, Edition, Publisher, Year) to be mentioned in order**

Text Books Followed :	1. John R. Vacca, Computer Forensics: Computer Crime Scene Investigation, 2nd Edition, Charles, River Media, 2005 ISBN-13: 978-1584503897
Reference Books followed :	1. Christof Paar, Jan Pelzl, Understanding Cryptography: A Textbook for Students and Practitioners, 2nd Edition, Springer's, 2010 ISBN 978-3-642-04101-3 2. Ali Jahangiri, Live Hacking: The Ultimate Guide to Hacking Techniques & Countermeasures for Ethical Hackers & IT Security Experts, Ali Jahangiri, 2009 ISBN-13: 978-0984271504 3. Computer Forensics: Investigating Network Intrusions and Cyber Crime (Ec-Council Press Series: Computer Forensics), 2010 ISBN-13: 978-1435483521
Websites : Any other sources	https://en.wikipedia.org/wiki/Computer_security https://mrcet.com/pdf/Lab%20Manuals/IT/CYBER%20SECURITY%20(R18A0521).pdf

	Nos.	Dates with details
No. of assignments given with date	3	28/2/2022, 18/04/2022, 05/05/2022
No. of question banks given with date		
No. of tutorial classes conducted with dates	--	
No. of remedial classes conducted with dates		
No. of weak students classes cond. with dates		
No. of counseling/s done as mentor		
No. of teaching methodologies & aids used		PPTs and White board
Lesson planning done for theory & lab		
Notes prepared for the subjects handled		YES
Work dairy completed		
No. of memos / warnings / notices given		NIL


Faculty's
Name & Sign


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HOD
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Dean
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Principal
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