Lesson Plan & Work-done Diary for AY: 2025-26 ODD Semester

Module	Class No.	Date Planned (DD/MM)	Topics to be covered	TLP Planned	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-0	1		Bridge Course: Basics of Networks, Types of Security Attacks, and Intro to OS Security	PPT				
MODULE-1	2		**Attacks on Computers and Computer Security:** Need for Security, Security Approaches	PPT				
	3		Principles of Security, Types of Attacks	PPT				
	4		Security Mechanisms	PPT				
	5		Security Services and Attacks	PPT				
	6		Model for Network Security	PPT				
	7		Case Study: Recent Cyber Attacks	PPT				
	8		Summary & Quiz Activity	PPT				

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Faculty In Charge: Prof. Anupama Shetter
Sem & Sec :7th A & B

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MODULE-2	9		**Malicious Logic:** Introduction to Malicious Logic	PPT				
	10		Trojan Horses and Computer Viruses	PPT				
	11		Worms and Other Malicious Code	PPT				
	12		Defenses Against Malicious Logic	PPT				
	13		**Vulnerability Analysis:** Introduction to Vulnerability Analysis	PPT				
	14		Penetration Testing Techniques	PPT				
	15		Vulnerability Classification and Frameworks	PPT				
	16		Case Study / Quiz	PPT				

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MODULE-3	17		**Auditing:** Definitions and Purpose of Auditing	PPT				
	18		Anatomy of Auditing System	PPT				
	19		Designing and Posterior Design	PPT				
	20		Auditing Mechanisms and Examples	PPT				
	21		Audit Browsing Techniques	PPT				
	22		**Intrusion Detection:** Introduction to Intrusion Detection	PPT				
	23		IDS Models and Architectures	PPT				
	24		IDS Organization and Responses	PPT				

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MODULE-4	25		**Network Security** – Introduction	PPT					
	26		Policy Development for Network Security	PPT					
	27		Network Flooding and Availability	PPT					
	28		Anticipating Attacks and Mitigation	PPT					
	29		**System Security**: Introduction	PPT					
	30		Security Policy for Systems and Users	PPT					
	31		Authentication, Files and Processes	PPT					
	32		Case Study / Quiz / Retrospective	PPT					

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MODULE-5	33		**User Security:** Introduction to User Security	PPT				
	34		Access Control – Files, Devices, Processes	PPT				
	35		Email and Communication Security	PPT				
	36		**Program Security** – Introduction	PPT				
	37		Security Requirements and Policy Design	PPT				
	38		Refinement and Secure Implementation	PPT				
	39		Secure Coding and Practices	PPT				
	40		Summary / Quiz / Assessment Discussion	PPT				

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/Quizzes/ Self-study	2+5		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	**100%**		
Planning			**Execution**	
Faculty Signature:			**Faculty Signature:**	
HOD Signature:			**HOD Signature:**	