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

Course with Code: Managed Detection and Resolution (MDR) in Cyber Security BCY456B					Faculty: Dr. Pavithra A C		Semester & Section: 4th	
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-1	1		**Introduction to Managed Detection and Resolution (MDR):** Definition	PPT				
	2		Importance of MDR					
	3		Advantages of using MDR in Cyber security					

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MODULE-2	4		**Introduction to MSSP and SIEM:** Services offered by Managed Security Service Providers (MSSP).	PPT				
	5		Limitations of using MSSP. Definition and offerings of SIEM (Security and Information Event Management					
	6		Limitations of using SIEM					

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - CYBER SECURITY

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MODULE-3	7		**Key Components of MDR solutions:** Endpoint detection and response (EDR)	PPT					
	8		Threat Intelligence,SOAR (Security Orchestration Automation and Response)						
	9		Expert Security Analysts						

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MODULE-4	10		**Factors to consider during selection of MDR Provider –** Security compliance with industry standard	PPT					
	11		security regulations like HIPAA, PCI-DSS and GDPR						
	12		Service Level Agreements (SLA), Incident response procedures, Reporting						

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MODULE-5	13		**Key services provided by MDR Provider** – Advanced Threat detection, Proactive threat hunting	PPT					
	14		Rapid Incident response						
	15		seamless integration with existing security tools and processes						

	Activity	Planned	Actual	Remarks
1	Theory Classes	14		
2	Assignments/Quizzes/ Self study	3/3		
3	Tutorials/ Extra classes	0		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	50		

Planning	Execution
Faculty Signature: Dr. Pavithra A C	Faculty Signature: Dr. Pavithra A C
HoD Signature:	HoD Signature: