

Lesson Plan & Work-done Diary for AY: 2024-25, odd Semester

Course with Code: Operating Systems -BCS503				Faculty: Mrs. Neethi M V			Semester & Section: V	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1.		Introduction to the course	Chalk & talk	1				
2.		Introduction to Finite Automata,	Chalk & talk	2				
3.		Structural Representations,	Chalk & talk	3				
4.		Automata and Complexity.	Chalk & talk	4				
5.		The Central Concepts of Automata Theory.	Chalk & talk	5				
6.		Deterministic Finite Automata, .	Chalk & talk	6				
7.		Nondeterministic Finite Automata,	Chalk & talk	7				
8.		An Application: Text Search,	Chalk & talk	8				
9.		Finite Automata with Epsilon-Transitions	Chalk & talk	9				
10.		Finite Automata with Epsilon-Transitions	Chalk & talk					

Course with Code: Operating Systems -B				Faculty: Mrs. Neethi M V			Semester & Section: III	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-2								
1.		Regular Expressions,	Chalk & talk	1				
2.		Finite Automata and Regular Expressions,	Chalk & talk	2				
3.		Proving Languages not to be Regular.	Chalk & talk	2				
4.		Closure Properties of Regular Languages,	Chalk & talk	4				
5.		Equivalence and Minimzatis on of Automata,	Chalk & talk	5				
6.		Applications of Regular Expression	Chalk & talk	6				
7.		Applications of Regular Expression	Chalk & talk	7				
8.		Applications of Regular Expression	Chalk & talk	8				
		Applications of Regular Expression	Chalk & talk					
		Applications of Regular Expression	Chalk & talk					

Course with Code: Operating Systems -BCS303				Faculty: Mrs. Neethi M V			Semester & Section: III	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction(DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-3								
1.		Process Synchronization: Synchronization: The critical section problem	PPT	1				
2.		Peterson's solution; Synchronization hardware	PPT	2				
3.		Semaphores; Classical problems of synchronization; Monitors	PPT	3				
4.		Deadlocks : Deadlocks; System model, Deadlock characterization	PPT	4				
5.		Methods for handling deadlocks, Deadlock prevention	PPT	5				
6.		Deadlock avoidance	PPT	6				
7.		Deadlock detection and recovery from deadlock	PPT	7				
8.		Revision, Module End Question discussion, Quiz	myQuiz App	8				

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Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planne d	Class No.	Date of Conduction(DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-4								
1.	12/01/2024	Memory management strategies,Background; Swapping	PPT	1				
2.	17/01/2024	Contiguous memory allocation, Paging	PPT	2				
3.	18/01/2024	Structure of page table, Segmentation	PPT	3				
4.	19/01/2024	Virtual Memory Management: Background;Demand paging	PPT	4				
5.	25/01/2024	Copy-on-write; Page replacement	PPT	5				
6.	31/01/2024	Page replacement, Allocation offrames; Thrashing	PPT	6				
7.	02/02/2024	Revision, Module End Questiondiscussion, Quiz	myQuiz App	7				

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Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction(DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-5								
1.	07/01/2024	File system: File concept, Access methods,Directory structure, File system mounting, File sharing	PPT	1				
2.	08/01/2024	Protection, Implementing File system: File system structure,File system implementation	PPT	2				
3.	09/01/2024	Directory implementation,Allocation methods; Free space management	PPT	3				
4.	14/01/2024	Mass storage structures, Disk structure,	PPT	4				
5.	15/01/2024	Disk attachment, Disk scheduling	PPT	5				
6.	16/01/2024	Disk management; Swap space managementProtection: Goals of protection,Principles of protection	PPT	6				
7.	21/01/2024	Domain of protection, Accessmatrix, Implementation of Access matrix	PPT	7				
8.	22/01/2024	Access control, Revocation of accessrights, Capability-Based systems	PPT	8				
9.	23/01/2024	Revision, Module End Question discussion, Quiz	myQuiz App	9				

	Activity	Planned	Actual	Remarks
1	Theory Classes	41		
2	Assignments/ Quizzes/Self-study	3		
3	Tutorials/ Extra classes	1		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	