

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

Lesson Plan & Work-done Diary for AY:2026-27, ODD Semester

Course with Code: Artificial Intelligence- BCS515B				Faculty: Mrs. Divya N			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		Bridge Course	PPT					
2		Bridge Course	PPT					
3		Bridge Course	PPT					
4		What is AI? The state of the Art	PPT					
5		Agents and Environment	PPT					
6		Concept of Rationality	PPT					
7		The nature of Environment	PPT					
8		Properties of Task environment	PPT					
9		Structure of Agents	PPT					
10		Goal based Agent	PPT					



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MODULE-2								
1		Problem Solving Agents	PPT					
2		Example Problems	PPT					
3		Real World Problems	PPT					
4		Searching For Solutions	PPT					
5		Infrastructure for search algorithms	PPT					
6		Uniformed Search Strategies	PPT					
7		Depth-first search	PPT					
8		Bidirectional search	PPT					



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MODULE-3								
1		Informed Search Strategies	PPT					
2		Memory-bounded heuristic search	PPT					
3		Heuristics Functions	PPT					
4		Generating admissible heuristics from subproblems: Pattern database	PPT					
5		Knowledge Based Agents	PPT					
6		The Wumpus World, Logic	PPT					
7		Propositional Logic	PPT					
8		Reasoning Patterns in Propositional Logic	PPT					

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MODULE-4								
1		Represented Revisited	PPT					
2		Syntax and semantics of First Oder Logic	PPT					
3		Quantifiers	PPT					
4		Using First Order Logic	PPT					
5		Knowledge engineering in First Order Logic	PPT					
6		Propositional versus First Order Inference And Unification	PPT					
7		Forward Chaining	PPT					
8		Efficient forward chaining	PPT					

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MODULE-5								
1		Backward Chaining	PPT					
2		Logic programming	PPT					
3		Resolution	PPT					
4		Definition of Classification planning	PPT					
5		Example: The blocks world	PPT					
6		Algorithms for planning as State Space Search	PPT					
7		Planning Graph	PPT					
8		GRAPHPLAN algorithm	PPT					

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	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	1/5		
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:	