

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Lesson Plan & Work Done Diary for AY: 2026-2027 ODD SEMESTER

Course with Code: ARTIFICIAL INTELLIGENCE - BCS515B				Faculty Name: Ms. Bhavya Dechamma K S			Semester & Section: V	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Bridge Course: What Is AI?	Chalk and Talk, PPT	1				
2		The State of The Art.	Chalk and Talk, PPT	2				
3		Agents and environment	Chalk and Talk, PPT	3				
4		Agents and environment	Chalk and Talk, PPT	4				
5		Concept of Rationality	Chalk and Talk, PPT	5				
6		The nature of environment	Chalk and Talk, PPT	6				
7		The structure of agents	Chalk and Talk, PPT	7				
8		The structure of agents	Chalk and Talk, PPT	8				

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MODULE-2								
10		Problem-solving agents	Chalk and Talk, PPT	10				
11		Search problems and solutions	Chalk and Talk, PPT	11				
12		Example problems	Chalk and Talk, PPT	12				
13		Example problems: Real-world problems	Chalk and Talk, PPT	13				
14		Searching for Solutions	Chalk and Talk, PPT	14				
15		Uninformed Search Strategies	Chalk and Talk, PPT	15				
16		Breadth-first search	Chalk and Talk, PPT	16				
17		Depth-first search	Chalk and Talk, PPT	17				

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MODULE-3								
18		Problem-solving: Informed Search Strategies	Chalk and Talk, PPT	18				
19		Heuristic functions	Chalk and Talk, PPT	19				
20		Logical Agents: Knowledge-based agents	Chalk and Talk, PPT	20				
21		The Wumpus world	Chalk and Talk, PPT	21				
22		Logic	Chalk and Talk, PPT	22				
23		Propositional logic	Chalk and Talk, PPT	23				
24		Reasoning patterns in Propositional Logic	Chalk and Talk, PPT	24				
25		Reasoning patterns in Propositional Logic	Chalk and Talk, PPT	25				

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MODULE-4								
26		First Order Logic: Representation Revisited	Chalk and Talk, PPT	26				
27		Syntax and Semantics of First Order logic	Chalk and Talk, PPT	27				
28		Using First Order logic	Chalk and Talk, PPT	28				
29		Knowledge Engineering In First-Order Logic	Chalk and Talk, PPT	29				
30		Inference in First Order Logic: Propositional Versus First Order Inference	Chalk and Talk, PPT	30				
31		Inference in First Order Logic: Propositional Versus First Order Inference	Chalk and Talk, PPT	31				
32		Unification	Chalk and Talk, PPT	32				
33		Forward Chaining	Chalk and Talk, PPT	33				

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MODULE-5								
34		Inference in First Order Logic: Backward Chaining	Chalk and Talk, PPT	34				
35		Inference in First Order Logic: Backward Chaining	Chalk and Talk, PPT	35				
36		Resolution	Chalk and Talk, PPT	36				
37		Classical Planning: Definition of Classical Planning	Chalk and Talk, PPT	37				
38		Classical Planning: Definition of Classical Planning	Chalk and Talk, PPT	38				
39		Algorithms for Planning as State-Space Search	Chalk and Talk, PPT	39				
40		Planning Graphs	Chalk and Talk, PPT	40				
41		Revision	Chalk and Talk, PPT	41				
42		Doubts clarifications	Chalk and Talk, PPT	42				

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