

Lesson Plan & Work-done Diary for AY: 2023-24, Odd Semester

Course with Code: Principals of Artificial Intelligence -21AI54				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	PPT	1				
2.		Introduction: What is AI?	PPT	2				
3.		Foundations and History of AI	PPT	3				
4.		Foundations and History of AI	PPT	4				
5.		Intelligent Agents: Agents and environment, .	PPT	5				
6.		Agents and environment, .	PPT	6				
7.		Concept of Rationality	PPT	7				
8.		The nature of environment, The structure of agents	PPT	8				
9.		Revision, Module End Question discussion, Quiz	myQuiz App	9				

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MODULE-2								
1.		Problem-solving: Problem-solving agents,	PPT	1				
2.		Example problems,	PPT	2				
3.		Searching for Solutions Uninformed Search Strategies	PPT	2				
4.		Searching for Solutions Uninformed Search Strategies	PPT	4				
5.		: Breadth First search,	PPT	5				
6.		Depth First Search	PPT	6				
7.		Iterative deepening depth first search;	PPT	7				
8.		Revision, Module End Question discussion, Quiz	myQuiz App	8				

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MODULE-3								
1.		Informed Search Strategies: Heuristic functions,	PPT	1				
2.		Greedy best first search,	PPT	2				
3.		A*search.	PPT	3				
4.		Heuristic Functions	PPT	4				
5.		Logical Agents: Knowledge-based agents,	PPT	5				
6.		The Wumpus world, Logic,	PPT	6				
7.		Propositional logic,	PPT	7				
8.		Reasoning patterns in Propositional Logic	myQuiz App	8				

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MODULE-4								
1.		Memory management strategies,Background; Swapping	PPT	1				
2.		Contiguous memory allocation, Paging	PPT	2				
3.		Structure of page table, Segmentation	PPT	3				
4.		Virtual Memory Management: Background;Demand paging	PPT	4				
5.		Copy-on-write; Page replacement	PPT	5				
6.		Page replacement, Allocation of frames; Thrashing	PPT	6				
7.		Revision, Module End Question discussion, Quiz	myQuiz App	7				

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MODULE-5								
1.		Uncertain Knowledge and Reasoning: Quantifying Uncertainty: Acting under Uncertainty,	PPT	1				
2.		Basic Probability Notation,	PPT	2				
3.		Inference using Full Joint Distributions,	PPT	3				
4.		Independence,	PPT	4				
5.		Baye's Rule and its use.	PPT	5				
6.		Wumpus World Revisited	PPT	6				
7.		Wumpus World Revisited	PPT	7				
8.		Revision, Module End Question discussion, Quiz	myQuiz App	9				

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
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:	