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

Course with Code: Artificial Intelligence -BAD402				Faculty: Ms. Apoorva S M			Semester & Section: IV	
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	MS Forms	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	3				
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	MS Forms	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	MS Forms	8				

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MODULE-4								
1.		First Order Logic: Representation Revisited	PPT	1				
2.		Syntax and Semantics of First Order logic.	PPT	2				
3.		Using First Order logic		3				
4.		Inference in First Order Logic :Propositional Versus First Order Inference	PPT	4				
5.		Unification	PPT	5				
6.		Forward Chaining	PPT	6				
7.		Backward Chaining, Resolution	PPT	7				
8.		Revision, Module End Question discussion, Quiz	MS Forms	8				

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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, Baye's Rule and its use.	PPT	4				
5.		Wumpus World Revisited	PPT	5				
6.		Expert Systems: Representing and using domain knowledge, ES shells.	PPT	6				
7.		Explanation, knowledge acquisition	PPT	7				
8.		Revision, Module End Question discussion, Quiz	MS Forms	8				

	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:**