Course code	Course Title	L	T	P	C
BITE308P	Artificial Intelligence Lab	0	0	2	1
Pre-requisite	BITE201L, BITE201P	Syllabus version			
		1.0			

Course Objectives:

1. To develop an understanding of the basic principles, models and algorithms of Artificial Intelligence.
2. To facilitate with the techniques for problem solving, knowledge representation and reasoning systems capability.

Course Outcomes:

1. Solve various real-world problems using Artificial Intelligence techniques.
2. Apply different knowledge representations and reasoning techniques.
3. Employ planning and learning methods in solving complex problems.

	Indicative Experiments	Hours
1.	Solving Missionaries and Cannibal's problem	3 Hours
2.	Water Jug Problem	3 Hours
3.	8-Queens Problem	3 Hours
4.	Travelling Salesman Problem	3 Hours
5.	Alpha Beta Pruning	3 Hours
6.	Solving Wampus Problem using Logic	3 Hours
7.	Bayesian Classification Problem	3 Hours
8.	Decision Tree Problem	3 Hours
9.	Monkeys and Bananas Problem using Planning	3 Hours
10	Regression Problem	3 Hours
	Total Laboratory Hours	**30 hours**

Mode of Assessment: Continuous Assessments, Final Assessment Test

Recommended by Board of Studies	20-05-2022		
Approved by Academic Council	No. 66	Date	16-06-2022