KCA351: Artificial Intelligence Lab			
Course Outcome (CO)		Bloom's Knowledge Level (KL)	
At the end of course, the student will be able to understand			
CO 1	Study and understand AI tools such as Python / MATLAB.		K_1,K_2
CO 2	Apply AI tools to analyze and solve common AI problems.		K ₃ , K ₄
CO 3	Implement and compare various AI searching algorithms.		K ₆
CO 4	Implement various machine learning algorithms.		K_6
CO 5	Implement various classification and clustering techniques. K ₆		K ₆

DETAILED SYLLABUS

- 1. Installation and working on various AI tools such as Python / MATLAB.
- 2. Programs to solve basic AI problems.
- 3. Implementation of different AI searching techniques.
- 4. Implementation of different game playing techniques.
- 5. Implementation of various knowledge representation techniques.
- 6. Program to demonstrate the working of Bayesian network.
- 7. Implementation of pattern recognition problems such as handwritten character/ digit recognition, speech recognition, etc.
- 8. Implementation of different classification techniques.
- 9. Implementation of various clustering techniques.
- 10. Natural language processing tool development.