Academic Year : 2021-2022

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Class: TE (A & B) **Sem: V**
Course: Artificial Intelligence **Course Code: DJ19CEC503**
Course : Artificial Intelligence Laboratory **Course Code: DJ19CEL503**

Expr No.	Name of Experiment
1	Select a problem statement relevant to AI . i) Identify the problem ii) PEAS Description iii) Problem formulation
2	Identify and analyze uninformed search Algorithm to solve the problem. Implement BFS/DFS/DFID search algorithms to reach goal state.
3	Identify and analyze informed search Algorithm to solve the problem. Implement A* search algorithm to reach goal state.
4	Program to implement Local Search algorithm : Hill climbing search.
5	Program on Genetic Algorithm to solve an optimization problem in AI.
6	Program to implement Family Tree in Prolog.
7	Identify, analyze, implement a planning problem/Rule based Expert System in a real world scenario.
8	Implementation on any AI Problem : Wumpus world, Tic-tac-toe, 8-Queens Problem
9	Program to implement learning: Perceptron Learning/Backpropagation Algorithm.
10	Case study of an AI Application.

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