Practical File
On

Artificial Intelligence Lab
(KCA-351)

Session 2021-22

Department of Computer Applications
KIET Group of Institutions

Submitted To:

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INSTRUCTIONS -:
1. Program must be written in Python
2. Algorithm and program both are compulsory.
3. One pilot project is mandatory for individual student example Mini Alexa/Gamming project

S.No.	Program List	Due Date	Completion Date	Faculty Signature
Ex-1	Installation of Python/Anaconda and introduction of Google Colab	First Week		
Ex-2	Write a program to implement water jug problem'	First Week		
Ex-3	Write a program to implement missionary and cannibal algorithm	Second Week		
Ex-4	Write a program to implement breadth first search	Second Week		
Ex-5	Write a program to implement depth first search	Third Week		
Ex-6	Write a program to implement 8 Queen Problems	Third Week		
Ex-7	Write a program to implement first order logic	Fourth Week		
Ex-8	Write a program to demonstrate the working of Bayesian network.	Fourth Week		
Ex-9	Write a program to Implement pattern recognition problems of handwritten character/ digit recognition	Fifth Week		
Ex-10	Write a program to Implement pattern recognition problems of speech recognition	Sixth Week		
Ex-11	Write a program to implement naive bayes classification problem	Seventh Week		
Ex-12	Write a program to implement k-mean clustering problem	Eight Week		
Ex-13	Write a program to convert text to speech using NLP tool	Ninth Week		
Ex-14	Pilot Project in AI using Python	Tenth Week		

Experiment 2: Write a program to implement water jug problem'

Problem Formulation:

Algorithm:

Python Program: