**AI LAB EXTERNAL**

Implementation of uninformed and informed search techniques.

Implementation of game search.

Design of a Bayesian network from given data.

Demonstration of supervised learning algorithms.

<https://colab.research.google.com/drive/110RjB7S5XBcB1JGWzGLbT-MbTlYomD7k?usp=sharing>

Demonstration of reinforcement learning

<https://colab.research.google.com/drive/1zTln_5qya86nUF3IkhjwP4saAD51WykU?usp=sharing>

 Design an Artificial Neural Network by implementing the Back propagation algorithm and test the same using appropriate data sets.

<https://colab.research.google.com/drive/1eDxRwjzW0csjw8oc0bcFxBkAEAOAj3vx?usp=sharing>

Implementation of simple chatbot

<https://colab.research.google.com/drive/11QD0vgItA-aAHpuz9uk1vUwU4W86Vbfx?usp=sharing>

Demonstration of the following operations on text data.

1. Removal of punctuations in the given string
2. Generation of string tokens

<https://colab.research.google.com/drive/111eIal2Feg3iNmIOVNgYm1shhEO84pg2?usp=sharing>

Demonstration of the following operations using NLTK.

a. Removal of stop words for a given passage from a text file

b. Stemming for a given sentence

c. POS tagging for a given sentence to classify text data

<https://colab.research.google.com/drive/1FgrolUJB_-tHD3JyagMlfo_Bu8HhJ108?usp=sharing>