Subject Artificial Intelligence Code No: EE-312

Department B.E (Electronic Engineering) Semester 7th

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| **EXPERIMENT NO** | **NAME OF EXPERIMENT** |
| 01 | Implementation of Python Basic Libraries such as Math, Numpy, and Scipy. |
| 02 | Implementation of Python Libraries such as Pandas and Matplotlib. |
| 03 | Create and Load different datasets in Python. |
| 04 | Write a Python program to compute Mean, Median, Mode, Variance, and Standard Deviation using datasets. |
| 05 | Write a Python program to compute Reshaping the data, Filtering the data, Merging the data, and Handling the missing values in datasets. |
| 06 | Write an Introduction about the Google Colab Environment. |
| 07 | Write basic arithmetic programs in Google Colab. |
| 08 | Write basic codes in Kaggle Kernel to run the AI-pretrained model. |
| 09 | Implementation of OpenCV Libraries for resizing and reshaping operations on images. |
| 10 | Implementation of Depth First Search for Water Jug Problem. |
| 11 | Implementation of Breadth First Search for Tic-Tac-Toe Problem. |
| 12 | Write a Program to find the solution for the traveling salesman Problem. |
| 13 | Write a program to implement the Simulated Annealing Algorithm. |
| 14 | Write a Python program to implement Simple Linear Regression and plot the graph. |
| 15 | Write a program to implement 8 puzzle problems. |