

**Department of Computer Science &
Engineering
LAB FILE**

**SUBJECT: Artificial intelligence and machine learning with lab
(21CSH-316)**

**B.E. III Year – V Semester
(CSE/IT)**



Submitted By
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Submitted To
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Exp , No	Experiments	Conduct (12)	Viva (10)	Record (8)	Total (30)	Signature
1.	Evaluate the performance and effectiveness of the A* algorithm Implementation In Python.					
2.	Implement the DFS algorithm and analyze Its performance and characteristics					
3.	Implement the BFS algorithm and analyze its performance and characteristics					
4.	Implementation of Python Libraries for ML application such as Pandas and Matplotlib					
5.	Implementation of Python basic Libraries such as Math, Numpy and Scipy					
6.	Implementing Linear Regression and Logistic Regression models					
7.	To determine the optimal number of clusters (K) using K-means clustering algorithm					
8.	Write a python program to compute Mean, Median, Mode, Variance and Standard Deviation using Datasets					
9.	Implement Naive Bayes theorem to classify the English text					
10.	Implement Exploratory Data Analysis on any data set.					