



Certificate

year	_ under our supervision.	
	laboratory during the academi	C
	Branch in th	e
aring a Roll No	in Semester o)f
<i>Mr./M</i> s		2
This is to certified th	hat a bonafide record of practical work done by	y

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Roll No.:	_ Student Name:		- `
Subject: Fundamentals of AI		Semester:	

Sr. No.	Experiment / Exercise Name	Garde/ Mark	Submission Date	Remarks/ Sign
1	Write a program to implement Tic-Tac-Toe game problem.			
2	Write a program to implement BFS (Water Jug problem or any AI search problem).			
3	Write a program to solve Missionaries and Cannibals problem.			
4	Write a program to implement DFS.			
5	Write a program to solve Hill Climbing problem.			
6	Write a program to implement Single Player Game (Using Heuristic Function).			
7	Write a program to implement A* algorithm.			
8	Write a program to solve Tower of Hanoi problem.			
9	Write a program to solve N-Queens problem.			
10	Write a program to solve 8-puzzle problem.			
11	Write a program to solve travelling salesman problem.			
12	Explore the NumPy, Pandas library and implement various operations. • Data Processing using various statistical technique (Numpy library)			

	Preparing data using data frame and apply statistical techniques (Pandas library)	
13	Explore the Matplotlib library and implement various visualization based operations. • Bar plot • Scatter plot • Pie plot	
Choose any one dataset from Kaggle and implement preprocessing tasks. Data profiling Data cleansing Data reduction Data transformation Data enrichment Data validation		
15	Implement data pre-processing and data visualization on built-in dataset from Scikit-learn and implement simple Machine Learning algorithm.	