

INDEX

S.NO .	AIM OF EXPERIMENT	DATE OF EXPERIMENT	SIGNATURE
1.	Installation of R and Basic Syntax	29-08-2025	
2.	Describing Data, Viewing, and Manipulating Data Using R	29-08-2025	
3.	Plotting Probability Distribution Curve in R	12-09-2025	
4.	Implementing Linear Regression in R	19-09-2025	
5.	Logistic Regression	19-09-2025	
6.	Principal Component Analysis (PCA) on dataset using R	26-09-2025	
7.	Chi-Square Test in R	26-09-2025	
8.	Edit and Execute a Program Involving Functions in R	17-10-2025	
9.	Edit and Execute a Program Involving Flow Chart	17-10-2025	
10.	Data Aggregation and Group Operations in R	24-10-2025	

INDEX

S.NO.	AIM OF EXPERIMENT	DATE OF SUBMISSION	SIGNATURE
1.	Write a program to implement Breadth First Search Traversal.	19-08-2025	
2.	Write a program to implement Water Jug Problem.	19-08-2025	
3.	Write a program to remove stop words for a given passage from a text file using NLTK.	02-09-2025	
4.	Write a program to solve the Monkey Banana problem using PROLOG.	02-09-2025	
5.	Write a program to POS (part of speech) tagging for the give sentence using NLTK.	09-09-2025	
6.	Write a program to implement Lemmatization using NLTK.	09-09-2025	
7.	Write a program for Text Classification for the given sentence using NLTK.	16-09-2025	
8.	Program to demonstrate Simple Linear Regression	16-09-2025	
9.	Program to demonstrate k-Nearest Neighbor flowers classification	23-09-2025	
10.	Program to demonstrate Naïve- Bayes Classifier	23-09-2025	
11.	Solve Greg Viot's fuzzy cruise controller using MATLAB Fuzzy logic toolbox.	14-10-2025	
12.	Solve Air Conditioner Controller using MATLAB Fuzzy logic toolbox.	14-10-2025	

INDEX

S.NO.	AIM OF EXPERIMENT	DATE OF EXPERIMENT	SIGNATURE
1.	Study of PROLOG.	28-08-2025	
2.	Write a program to solve 8 queens problem	28-08-2025	
3.	Program to implement depth-first search	04-09-2025	
4.	Program to implement best-first search	04-09-2025	
5.	Solve 8-puzzle problem using best-first search	11-09-2025	
6.	Program to solve Robot (traversal) problem using means End Analysis	11-09-2025	
7.	Implementation of traveling salesman problem.	18-09-2025	
8.	Program to implement breadth-first search	18-09-2025	
9.	Program to find out union and intersection of two lists	25-09-2025	
10.	Program to calculate factorial of a given number	25-09-2025	
11.	Program to flatten a list	09-10-2025	
12.	Problem to solve monkey banana problem	09-10-2025	

INDEX

S.NO.	AIM OF EXPERIMENT	DATE OF SUBMISSION	SIGNATURE
1.	Write a program in MATLAB to perform Union, Intersection and Complement operations.	25-08-2025	
2.	Write a program in MATLAB to implement De-Morgan's Law.	01-09-2025	
3.	Write a program in MATLAB to plot various membership functions.	08-09-2025	
4.	To implement FIS Editor	15-09-2025	
5.	Generate ANDNOT function using McCulloch-Pitts neural net by MATLAB program	22-09-2025	
6.	Write a MATLAB program for Perceptron net for an AND function with bipolar inputs and targets	29-09-2025	
7.	Write a M-file to calculate the weights for the following patterns using hetero associative neural net for mapping four input vectors to two output vectors.	06-10-2025	
8.	Write an M-file to store vector [-1 -1 -1 -1] and [-1 -1 1 1] in an auto-associative net. Find weight matrix. Test the net with [1 1 1 1] as input.	13-10-2025	