20MCA241 DATA SCIENCE LAB

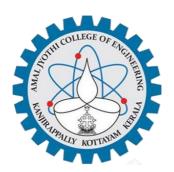
Lab Report SubmittedBy

JILSE JACOB

Reg. No.: AJC20MCA-2043

In Partial fulfillment for the Award of the Degree Of

MASTER OF COMPUTER APPLICATIONS (2 Year) (MCA) APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



AMAL JYOTHI COLLEGE OF ENGINEERING KANJIRAPPALLY

[Affiliated to APJ Abdul Kalam Technological University, Kerala. Approved by AICTE, Accredited by NAAC with 'A' grade. Koovappally, Kanjirappally, Kottayam, Kerala – 686518]

2020-2022

DEPARTMENT OF COMPUTER APPLICATIONS AMAL JYOTHI COLLEGE OF ENGINEERING

KANJIRAPPALLY



CERTIFICATE

This is to certify that the Lab report, "20MCA241 DATA SCIENCE LAB" is the bonafide work of JILSE JACOB (Reg.No:AJC20MCA-2043) in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2021-22.

Ms. Nimmy Francis

Rev.Fr.Dr.Rubin Thottupurathu Jose

Staff In-Charge

Head of the Department

Internal Examiner

External Examiner

CONTENT

Sl. No	Content	Date	Page No.	Signature
1	Perform all matrix operation using python.	24/11/2021	1	
2	Program to perform SVD using python.	01/12/2021	3	
3	Program to implement k-NN Classification using any standard dataset available in the public domain and find the accuracy of the algorithm using built-in function.	01/12/2021	4	
4	Program to implement k- NN Classification using any random dataset without using built-in functions.	01/12/2021	5	
5	Program to implement Naïve Bayes Algorithm using any standard dataset available in the public domain and find the accuracy of the algorithm.	08/12/2021	7	
6	Program to implement Linear and Multiple regression techniques using any standard dataset available in the public domain and evaluate its performance.	08/01/2022	8	
7	Program to implement Linear and Multiple Regression techniques using any standard dataset available in public domain and evaluate its performance.	15/01/2022	10	
8	Program to implement Linear and Multiple Regression techniques using cars dataset available in public domain and evaluate its performance.	15/01/2022	13	
9	Program to implement Multiple Linear Regression techniques using Boston dataset available in the public domain and evaluate its performance and plotting graph.	15/01/2022	14	

10	D 4- : D:-: T		15
	Program to implement Decision Tree using any standard dataset available in the public domain and find the accuracy of the algorithm.	22/12/2021	15
11	Program to implement K-Means Clustering technique using any standard dataset available in the public domain.	05/01/2022	21
12	Program to implement K-Means Clustering technique using any standard dataset available in the public domain.	05/01/2022	25
13	Programs on Convolutional Neural Network(CNN) to classify images from any standard dataset in the public domain.	02/02/2022	28
14	Program to implement a simple Web Crawler using python.	16/02/2022	33
15	Program to implement a simple Web Crawler using python.	16/02/2022	35
16	Program to implement scraping of any webpage of any popular website.	16/02/2022	36
17	Program for Natural Language Processing which performs n-grams.	16/02/2022	38
18	Program for Natural Language Processing which performs n-grams(Using built-in functions).	23/02/2022	39
19	Program for Natural Language Processing which performs speech tagging.	23/02/2022	40
20	Write a python program for natural program language processing with chunking.	23/02/2022	41
21	Write a python program for natural program language processing with chunking.	23/02/2022	42