

20MCA241 DATA SCIENCE LAB

Lab Report Submitted By

ASIF K A

Reg. No.: AJC20MCA-2030

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 **ASIF K A (Reg.No:AJC20MCA-2030)** 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

Lab In-Charge

CONTENT

S.No	Content	Date	Page No
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 in build function	01/12/2021	4
4	Program to implement k-NN Classification using any random dataset without using in-build 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	08/01/2022	9
7	Program to implement Linear and Multiple regression techniques using any standard dataset available in public domain and evaluate its performance	15/01/2022	11
8	Program to implement Linear and Multiple regression techniques using cars dataset available in public domain and evaluate its performance	15/01/2022	14
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	15
10	Program to implement decision tree using any standard dataset available in the public domain and find the accuracy of the algorithm	22/12/2021	17
11	Program to implement K-Means clustering technique using any standard dataset available in the public domain	05/01/2022	23
12	Program to implement K-Means clustering technique using any standard dataset available in	05/01/2022	27

	the public domain		
13	Programs on convolutional neural network to classify images from any standard dataset in the public domain	02/02/2022	30
14	Program to implement a simple web crawler using python	16/02/2022	35
15	Program to implement a simple web crawler using python	16/02/2022	37
16	Program to implement scrap of any website	16/02/2022	39
17	Program for Natural Language Processing which performs n-grams	16/02/2022	41
18	Program for Natural Language Processing which performs n-grams (Using in built functions)	16/02/2022	42
19	Program for Natural Language Processing which performs speech tagging	16/02/2022	43
20	Program for Natural Language Processing which performs Chunking	23/02/2022	45
21	Program for Natural Language Processing which performs Chunking	23/02/2022	47