

# RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM - 602 105.



**RAJALAKSHMI**  
**ENGINEERING COLLEGE**

AI19442 - Fundamentals  
of Machine Learning

**Laboratory Record Note Book**

NAME .. ARSHAYA .. M .....

BRANCH .. B.TECH. - .. AI&DS .....

UNIVERSITY REGISTER No .. 2116221801002 .....

COLLEGE ROLL No .. 221801002 .....

SEMESTER .. VI .....

ACADEMIC YEAR .. 2024 - 2025 .....



**RAJALAKSHMI**  
**ENGINEERING COLLEGE**  
An AUTONOMOUS Institution  
Affiliated to Anna University, Chennai

## BONAFIDE CERTIFICATE

NAME ..... AKSHAYA M .....

ACADEMIC YEAR 2024 - 2025 SEMESTER VI BRANCH B.TECH AI&DS

UNIVERSITY REGISTER No.

2116221801002

Certified that this is the bonafide record of work done by the above student in the  
AI1944a - Fundamentals

of  
Machine Learning ..... Laboratory during the year **2024 - 2025**

**Signature of Faculty - in - Charge**

**Submitted for the Practical Examination held on.....**

**External Examiner**

**Internal Examiner**

## INDEX

Name: AKSHAYA M

Branch: AI & DS Sec: \_\_\_\_\_

Roll No : 221801002

S.No.	Date	Title	Page No.	Teacher's Sign/Remarks
1.	33.01.25	Univariate, Bivariate, Multivariate	1	
2.	30.01.25	Simple Linear Regression using LSM	5	
3.	06.02.25	Logistic Regression	9	
4.	13.02.25	Single Layer Perceptron	13	
5.	20.02.25	Multi Layer Perceptron using Back Propagation	17	
6.	27.02.25	Face recognition using SVM classifier	21	
7.	06.03.25	Decision Tree implementation	25	
8.	27.03.25	Boosting Algorithm	27	
9.	03.04.25	K-Nearest Neighbors (KNN) and K-Means	31	
10.	10.04.25	Dimensionality Reducing using PCA	35	
11.	17.04.25	Mini Project: Simple Project using Tensorflow & Keras	39 43	

Completed