



**RAJALAKSHMI
ENGINEERING COLLEGE**

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAB MANUAL

CS23431 – OPERATING SYSTEMS

(REGULATION 2023)

RAJALAKSHMI ENGINEERING COLLEGE

Thandalam, Chennai-602015

Name: HARISH M.

Register No. : 2116-231501058

Year / Branch / Section: ... 2nd Yr/AIML/FA

Semester: IV

Academic Year: ... 2024-2025

INDEX

EXP.NO	Date	Title	Page No	Signature
1a	29/3/25	Installation and Configuration of Linux		
1b	31/1/25	Basic Linux Commands		
2	7/2/25	Shell script a) Arithmetic Operation -using expr command b) Check leap year using if-else		
3 b)	7/2/25	a) Reverse the number using while loop b) Fibonacci series using for loop		
4	14/2/25	Text processing using Awk script a) Employee average pay b) Results of an examination		
5	21/2/25	System calls –fork(), exec(), getpid(), opendir(), readdir()		
6a	28/2/25	FCFS		
6b	28/2/25	SJF		
6c	28/2/25	Priority		
6d	28/2/25	Round Robin		
7.	19/3/25	Inter-process Communication using Shared Memory		
8	26/3/25	Producer Consumer using Semaphores		
9	2/4/25	Bankers Deadlock Avoidance algorithms		
10 a	4/4/25	Best Fit		

10 b	4/425	First Fit		
11a	9/4/25	FIFO		
11b	9/4/25	LRU		
11c	9/4/25	Optimal		
12	11/4/25	File Organization Technique- single and Two level directory		



RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

RAJALAKSHMI NAGAR, THANDALAM – 602 105

BONAFIDE CERTIFICATE

NAME M HARISH REGISTER NO. **2116-231501058**

ACADEMIC YEAR 2024-25 **SEMESTER-IV** **BRANCH:** AIML-B.Tech

This Certification is the Bonafide record of work done by the above student
in the **CS23431- Operating Systems** Laboratory during the year
2024 – 2025.

Signature of Faculty -in – Charge

Submitted for the Practical Examination held on _____

Internal Examiner

External Examiner