## **OPERATING SYSTEMS LAB**

## PRACTICAL RECORD

Name : **Amit Singhal** Paper Code: **CIC - 353** 

Enrollment No. : **11614802722** 

Branch : CSE-I

Semester/Group : 5C6

## PRACTICAL DETAILS

a) Experiments according to the list provided by GGSIPU

	Experiments according to the list provided						T		
S.No.	Experiment	Date of	М	Α	R	K	S	Total	Signature
	Name	Perf.	R1	R2	R3	R4	R5	Marks	
1.	Implement the FCFS CPU Scheduling	02-09-24							
2.	Implement the SJF CPU Scheduling (Preemptive & Non- Preemptive)	09-09-24							
3.	Implement the Priority Scheduling	23-09-24							
4.	Implement the Round Robin CPU Scheduling	14-10-24							
5.	Implement the Page Replacement policy using LRU, FIFO & Optimal	14-10-24							
6.	Implement the First Fit, Best Fit & Worst Fit algorithms for memory management	14-10-24							
7.	Implement the Reader - Writer problem using Semaphore	21-10-24							
8.	Implement the Producer - Consumer problem using Semaphore	21-10-24							
9.	Implement The Banker's Algorithms for Deadlock avoidance	21-10-24							
10.	WAP in C To implement various File Organization Techniques	21-10-24							

## b) Experiments according to the list provided by GGSIPU

S.No.	Experiment	Date of	М	Α	R	K	S	Total	Signature
	Name	Perf.	R1	R2	R3	R4	R5	Marks	
1.	Introduction to Linux and Vi editor.	12-08-24							
2.	Write a program to find the greatest of 3 numbers	02-09-24							
3.	Write a script to check whether the given no. is even/odd	02-09-24							
4.	Write a script to calculate the average of n numbers	02-09-24							
5.	Write a script to check whether the given number is prime or not	02-09-24							
6.	Write a program to check whether the given input is a number or a string	02-09-24							
7.	Write a program to compute no. of characters and words in each line of given file	02-09-24							
8.	Write a program to print the Fibonacci series upto n terms	02-09-24							
9.	Write a program to calculate the factorial of a given number	02-09-24							
10.	Write a program to calculate the sum of digits of the given number	02-09-24							
11.	Write a program to check whether the given string is a palindrome	02-09-24							