



Parul University

FACULTY OF ENGINEERING AND
TECHNOLOGY BACHELOR OF TECHNOLOGY

**Operating
System**
(203105204)

IV SEMESTER
Computer Science &
Engineering Department

Laboratory Manual

CERTIFICATE

This is to certify that

Mr. **AAKASH SHARMA** with enrollment no. **200303105256** has
successfully completed his laboratory experiments in the Operating system
(**203105204**) from the department of **Computer Science And**
Engineering during the academic
year **2021-22**



Date of Submission:.....

Staff In charge:.....

Head Of Department:.....

TABLE OF CONTENT

Sr. No	Experiment Title	Page No		Date of Start	Date of Completion	Marks (out of 10)	Sign
		To	From				
1	Study of Basic commands of Linux.	7	1				
2	Study the basics of shell programming.	11	8				
3	Write a Shell script to print given numbers sum of all digits.	12	12				
4	Write a shell script to validate the entered date. (eg. Date format is: dd-mm-yyyy).	13	13				
5	a) Write a shell script to check entered string is palindrome or not. b) Write a Shell script to say Good morning/Afternoon/Evening as you log in to system.	15	14				
6	Write a C program to create a child process.	17	16				
7	Finding out biggest number from given three numbers supplied as command line arguments	18	18				
8	Printing the patterns using for loop.	19	19				
9	Shell script to determine whether given file exist or not.	20	20				
10	Write a program for process creation using C. (Use of gcc compiler).	23	21				
11	Implementation of FCFS & Round Robin Algorithm.	30	24				
12	Implementation of Banker's Algorithm.	33	31				