G H Patel of College of Engineering & Technology
Department of Computer Engineering

Vision

To produce globally competitive computer engineers, who are prepared to accept the challenges at professional level, while maintaining the core values.

Mission

- ✓ To create excellent teaching learning environment.
- ✓ To mould engineers with a strong foundation of scientific knowledge and engineering concepts.
- ✓ To enhance the acquired concepts and develop new technology through excellence in research.
- ✓ To assist nation building and elevating the quality of life of the people through leadership in professionalism, education, research and public services.

Programme Educational Objectives (PEO)

- ✓ To educate young aspirants with the fundamentals of engineering and knowledge of latest technologies.
- ✓ To encourage the students to remain updated by pursuing higher degree or certification programs.
- ✓ To assume management and leadership roles to contribute in socio-economic development of the nation.

![GCET Logo]

G H Patel of College of Engineering & Technology
Department of Computer Engineering

A.Y. 2023-24, SEMESTER 2

SUBJECT CODE: 202040402   SUBJECT NAME: OPERATING SYSTEMS

INDEX

NAME: _____

ENROLMENT NO: _____ BRANCH: _____

Sr. No.	Name of the Experiment	Page No.	Date	Marks	Signature
01	Study of Basic commands of Linux/UNIX				
02	Study of Advance commands and filters of Linux/UNIX.				
03	Write a shell script to generate marksheet of a student. Take 3 subjects, calculate and display total marks, percentage and Class obtained by the student				
04	Write a shell script to display multiplication table of given number				
05	Write a shell script to find factorial of given number n.				
06	Write a menu driven shell script which will print the following menu and execute the given task. a. Display calendar of current month b. Display today's date and time c. Display usernames those are currently logged in the system d. Display your name at given x, y position e. Display your terminal number				
07	Write a shell script to read n numbers as command arguments and sort them in descending order				
08	Shell programming using filters (including grep, egrep, fgrep)				
09	Write a shell script to read n numbers as command arguments and sort them in descending order.				
10	Write a shell script to display all executable files, directories and zero sized files from current directory				
11	Write a shell script to check entered string is palindrome or not.				
12	Write a shell script to validate the entered date. (eg. Date format is : dd-mm-yyyy).				
13	Write an awk program using function, which convert each word in a given text into capital.				
14	Write a program which demonstrate the use of fork, join, and exec and wait system calls.				
15	Write a C program to simulate FCFS CPU scheduling algorithm.				

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Sr. No	List of Assignment(s)	Page No.	Date	Marks	Signature
1	Assignment I				
2	Assignment II				
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