Staff : Amit Vyas   **Semester/Div : 4/GX/GY/GZ (EVEN)**

Subject : Operating System (3140702)   **Batch: ------**

Lab No.	Name of Experiment
1	Study of Basic commands of Linux/UNIX. (CO-5) (U)
2	Study of Advance commands and filters of Linux/UNIX. (CO-5) (U)
3	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. (CO-5) (Ap)
4	Write a shell script to display multiplication table of given number. (CO-5) (Ap)
5	Write a shell script to find factorial of given number n. (CO-5) (Ap)
6	Write a shell script which will accept a number b and display first n prime numbers as output. (CO-5) (Ap)
7	Write a shell script which will generate first n fibonnacci numbers like: 1, 1, 2, 3, 5, 13, … (CO-5) (Ap)
8	Write a menu driven shell script which will print the following menu and execute the given task. (CO-5) (Ap) 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
9	Write a shell script to read n numbers as command arguments and sort them in descending order. (CO-5) (Ap)
10	Write a shell script to display all executable files, directories and zero sized files from current directory. (CO-5) (Ap)
11	Write a shell script to check entered string is palindrome or not. (CO-5) (Ap)
12	Shell programming using filters (including grep, egrep, fgrep) (CO-5) (Ap)

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Lab No.	Name of Experiment
13	Study of Unix Shell and Environment Variables. (CO-5) (U)
14	Write a shell script to validate the entered date. (eg. Date format is : dd-mm-yyyy). (CO-5) (Ap)
15	Write an awk program using function, which convert each word in a given text into capital. (CO-5) (Ap)
16	Write a program for process creation using C. (Use of gcc compiler). (CO-5) (Ap)

Faculty   **HoD**
Amit Vyas   Dr. T.P.Patalia