GOVERNMENT ENGINEERING COLLEGE, DAHOD
(GUJARAT TECHNOLOGICAL UNIVERSITY)
COMPUTER ENGINEERING
B. E. SEMESTER: IV
PRACTICAL LIST YEAR 2016

SUBJECT: Operating System (2140702)

Pr. No.	AIM	Last Date of Submission
1	Study of Basic commands of Linux/UNIX.	
2.	Study of Advance commands and filters of Linux/UNIX.	
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.	
4.	Write a shell script to find factorial of given number n.	
5.	Write a shell script which will accept a number b and display first n prime numbers as output.	
6.	Write a shell script which will generate first n fibonnacci numbers like: 1, 1, 2, 3, 5, 13,…	
7.	Write a Shell Script to create a pyramid of number. 1 22 333	
8.	Write a Shell Script to create a pyramid of number. * * * * * * * * * *	
9.	Write a shell program to generate a multiplication table for a given number.	
10.	Write a shell script which receives any year as argument and determines whether the year is leap or not. If no argument is supplied assume the current year as the argument year.	
11.	Write a shell script that prints the following message "Hours HH Minutes MM".	
12.	Write a shell script to validate the entered date. (eg. Date format is : dd-mm-yyyy).	
13.	Write a shell script which whenever gets executed display the message "Good Morning/Afternoon/Evening" depending on the time on which the script has been run.	
14.	Write a menu driven shell script which will print the following menu and execute the given task. MENU 1. Display calendar of current month 2. Display today's date and time 3. Display usernames those are currently logged in the system 4. Display your name at given x, y position 5. Display your terminal number 6. Exit	
15.	Write a shell script to read n numbers as command arguments and sort them in descending order.	
16.	Write a shell script to display all executable files, directories and zero sized files from current directory.	
17.	Write a shell script to check entered string is palindrome or not.	

18.	Shell programming using filters (including grep, egrep, fgrep)	
19.	Study of Unix Shell and Environment Variables.	
20.	Write an awk program using function, which convert each word in a given text into capital.	
20.	Write a program for process creation using C. (Use of gcc compiler).	