

LESSON PLAN 2024 (SUMMER)

Discipline: Information Technology	Semester: 4th	Name of the Teaching faculty: Pranati Pattanaik
Subject:	No. of Days/per week class allotted: 03	Semester from date : 16/01/2021 to 26/04/2024
Operating System L & b	Class Day	No. of weeks : 15
		Theory / Practical Topics
January 3rd	19-01-2024	Write a Shell script to print the command line arguments in reverse order. Write a Shell script to check whether the given number is palindrome or not, Write a Shell script to sort the given array elements in ascending order using bubble sort.
February 1st	02-02-2024	Write a Shell script to perform sequential search on a given array elements. Write a Shell script to perform binary search on a given array elements.
February 2nd	09-02-2024	Write a Shell script to accept any two file names and check their file permissions.
February 3rd	16-02-2024	Write a Shell script to read a path name, create each element in that path e.g: a/b/c i.e., 'a' is directory in the current working directory, under 'a' create 'b', under 'b' create 'c'
February 4th	23-02-2024	Write a Shell script to illustrate the case-statement. Write a Shell script to accept the file name as arguments and create another shell script, which recreates these files with its original contents.
February 5th		No Class
March 1st	01-03-2024	Write a Shell script to demonstrate Terminal locking. Write a Shell script to accept the valid login name, if the login name is valid then print its home directory else an appropriate message.
March 2nd		No Class
March 3rd	15-03-2024	Write a Shell script to read a file name and change the existing file permissions. Write a Shell script to print current month calendar and to replace the current day number by '**' or '***' respectively.
March 4th	22-03-2024	Write a Shell Script to display a menu consisting of options to display disk space, the current users logged in, total memory usage, etc. (using functions.)
March 5th		No Class
April 1st	05-04-2024	Write a C-program to fork a child process and execute the given Linux commands.
April 2nd	12-04-2024	Write a C-program to fork a child process, print owner process ID and its parent process ID.
April 3rd	19-04-2024	Write a C-program to prompt the user for the name of the environment variable, check its validity and print an appropriate message.
April 4th	26-04-2024	Write a C-program to READ details of N students such as student name, reg number, semester and age. Find the eldest of them and display his details.


 14/11/2024
 Signature of the Faculty