

## LESSON PLAN

<b>Discipline:</b> Computer Science & Engg.	<b>Semester:</b> Fourth (4 <sup>th</sup> )	<b>Name of the Lab I/C:</b> Er Satabdi Palit
<b>Subject:</b> Operating System Lab (Pr 1)	<b>No. of days/week class allotted:</b> Three (3)	<b>Semester from Date:</b> 16.01.24 <b>to Date:</b> 26.04.24 <b>No. of Weeks:</b> 15
<b>WEEK</b>	<b>CLASS DAY</b>	<b>PRACTICAL EXPERIMENTS</b>
1 <sup>st</sup>	1 <sup>st</sup>	Write a Shell script to print the command line arguments in reverse order.
	2 <sup>nd</sup>	Write a Shell script to check whether the given number is palindrome or not.
	3 <sup>rd</sup>	Review Class
2 <sup>nd</sup>	1 <sup>st</sup>	Write a Shell script to sort the given array elements in ascending order using bubble sort.
	2 <sup>nd</sup>	Write a Shell script to perform sequential search on a given array elements.
	3 <sup>rd</sup>	Review Class
3 <sup>rd</sup>	1 <sup>st</sup>	Write a Shell script to perform binary search on a given array elements.
	2 <sup>nd</sup>	Write a Shell script to accept any two file names and check their file permissions.
	3 <sup>rd</sup>	Review Class
4 <sup>th</sup>	1 <sup>st</sup>	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'.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Review Class
5 <sup>th</sup>	1 <sup>st</sup>	Write a Shell script to illustrate the case-statement.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Review Class

6 <sup>th</sup>	1 <sup>st</sup>	Write a Shell script to accept the file name as arguments and create another shell script, which recreates these files with its original contents.
	2 <sup>nd</sup>	Write a Shell script to demonstrate Terminal locking.
	3 <sup>rd</sup>	Review Class
7 <sup>th</sup>	1 <sup>st</sup>	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.
	2 <sup>nd</sup>	Write a Shell script to read a file name and change the existing file permissions.
	3 <sup>rd</sup>	Review Class
8 <sup>th</sup>	1 <sup>st</sup>	Write a Shell script to print current month calendar and to replace the current day number by '*' or '**' respectively.
	2 <sup>nd</sup>	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.)
	3 <sup>rd</sup>	Review Class
9 <sup>th</sup>	1 <sup>st</sup>	Write a C-program to fork a child process and execute the given Linux commands.
	2 <sup>nd</sup>	Write a C-program to fork a child process, print owner process ID and its parent process ID.
	3 <sup>rd</sup>	Review Class
10 <sup>th</sup>	1 <sup>st</sup>	Write a C-program to prompt the user for the name of the environment variable, check its validity and print an appropriate message.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Review Class
11 <sup>th</sup>	1 <sup>st</sup>	Write a C-program to READ details of N students such as student name, registration number, semester and age. Find the eldest of them and display his details.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	Review Class

12 <sup>th</sup>	1 <sup>st</sup>	Review Class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
13 <sup>th</sup>	1 <sup>st</sup>	Review Class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
14 <sup>th</sup>	1 <sup>st</sup>	Review Class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
15 <sup>th</sup>	1 <sup>st</sup>	Review Class
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	