

## Academic Lesson Plan of Summer 2022

Academic Lesson Plan of Summer 2022		
Department: CSE	Semester:4th	Name of the Teaching Faculty: Sushri Sangita parida
Subject: Operating System	No. of days/per week class allotted. 4p/week	Semester from:10/03/2022
		No. of weeks:15
		Topics to be covered:
WEEK	DAYS	TOPIC
1st week	1st	Objectives and Structure of OS
	2nd	Evolution of OS
	3rd	Function of OS
	4th	Process concept
2nd week	1st	Process control,Interacting process
	2nd	Inter process messages
	3rd	Implimaintation issue of progress
	4th	process shedding
3rd week	1st	Process synchronization
	2nd	Semaphore
	3rd	Job scheduling
	4th	Principal of concurency
4th week	1st	Types of scheduling
	2nd	Doubt clearing (ch1,ch2), Ques discussion
	3rd	Memory allocation technique
	4th	contiguous & non-contiguous memory allocation
5th week	1st	Swapping technique
	2nd	Paging technique
	3rd	segmentation
	4th	Virtual memory using memory
6th week	1st	Demand paging
	2nd	Page fault handling
	3rd	Page fault handling
	4th	Introduction to techniques for device management
7th week	1st	Dedicated technique
	2nd	Shared technique
	3rd	Virtual technique
	4th	Device allocation consideration
8th week	1st	I/O traffic controler
	2nd	I/O schedule
	3rd	I/O device handlers
	4th	Spooling technique
9th WEEK	1st	Introduction to deadlock
	2nd	System model
	3rd	Deadlock detection
	4th	Deadlock detection technique
10th week	1st	Resource allocation graph
	2nd	Method of deadlock handling
	3rd	Recovery of deadlock handling
	4th	Prevention of deadlock handling
11th week	1st	Banker's algorithm
	2nd	Safety algorithm
	3rd	doubt clearing (ch3,ch4)
	4th	Doubt clearing (ch5)

12th week	1st	Introduction to file organization
	2nd	Directory & file structure
	3rd	Sharing of files technique
	4th	File access techniques
13th week	1st	File access methods
	2nd	File system
	3rd	Reliability, allocation of disk space
	4th	File protection
14th week	1st	Secondary storage management
	2nd	Introduction to system programming, compiler
	3rd	Function of compiler
	4th	difference between function & compiler
15th week	1st	Seven phases of compiler
	2nd	Seven phases of compiler
	3rd	Doubt clearing & discussion ch5 & ch6
	4th	Previous year question discussion

*Sushri*  
09/03/2022  
Signature of Faculty

*gmain*  
HOD 09/03/2022  
Sr. Lecture, CSE