

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <i>CSE</i>	Semester: <i>4th</i>	Name of the Teaching Faculty: <i>M. R. Ojha</i>
Subject: <i>operating system</i>	No of Days/per week class allotted:	Semester from Date: <i>16.1.24</i> to Date: <i>26.4.24</i> No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	<i>Introduction to objectives and Explain function</i>
	2nd	<i>Operating system</i>
	3rd	
	4th	
	5th	
2nd	1st	<i>Evolution of operating system</i>
	2nd	<i>- do -</i>
	3rd	<i>structure of operating system</i>
	4th	<i>- do -</i>
	5th	
3rd	1st	<i>Process management</i>
	2nd	<i>Process concept, Process control</i>
	3rd	<i>Interacting processes, Inter process messages</i>
	4th	<i>Implementation issues of processes.</i>
	5th	
4th	1st	<i>Process scheduling, Job scheduling</i>
	2nd	<i>Process synchronization, semaphore.</i>
	3rd	<i>Principle of concurrency, types of schedul</i>
	4th	<i>- do -</i>
	5th	
5th	1st	<i>Memory allocating Techniques</i>
	2nd	<i>Contiguous memory allocation</i>
	3rd	<i>non contiguous memory allocation.</i>
	4th	<i>- do -</i>
	5th	

[Signature]
Sign of Faculty

[Signature]
HOD

[Signature]
Principal *16/1/24*

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Swapping
	2nd	Paging, Segmentation, Virtual memory using
	3rd	Paging, Demand Paging, Page fault handling.
	4th	- do -
	5th	
2nd	1st	Demand Paging, Page fault handling
	2nd	Techniques for Devices management.
	3rd	Dedicated, shared and virtual.
	4th	Device allocation Considerations.
	5th	
3rd	1st	I/O traffic Control & I/O schedule, I/O
	2nd	Spooling, Dead locks
	3rd	Concept of deadlock
	4th	- do -
	5th	
4th	1st	System Model
	2nd	Dead Lock Detection
	3rd	Resources allocation Graph
	4th	- do -
	5th	
5th	1st	Methods of Deadlock handling
	2nd	Recovery & Prevention, Explain Bankers
	3rd	Algorithm & Safety Algorithm
	4th	- do -
	5th	


Sign of Faculty

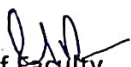

HOD

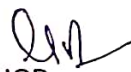

Principal
16/11/24

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: CSE	Semester: 4th	Name of the Teaching Faculty:
Subject: operating system	No of Days/per week class allotted:	Semester from Date: _____ to Date: _____ No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	file management
	2nd	file organization, Direction Directory &
	3rd	file structure, sharing of files.
	4th	file Access methods.
	5th	
2nd	1st	file systems, Reliability
	2nd	Allocation of disk space.
	3rd	file access methods, file systems.
	4th	Reliability, Allocation of disk space.
	5th	
3rd	1st	file protection, security storage managt.
	2nd	system programming, concept of system
	3rd	programming and show difference from
	4th	Application Compiler.
	5th	
4th	1st	Compiler, functions of Compiler
	2nd	Compare Compiler and interpreter.
	3rd	Seven phases of Compiler.
	4th	brief description of each phase.
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	


Sign of Faculty


HOD


Principal