

BHUBANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF INFORMATION TECHNOLOGY
LESSON PLAN

Discipline: IT	Semester: 4th	No. Of period available	Name of the Teaching Faculty: Biswabandita Mohanty (PTGF)
Subject: OS	No. Of Days/per week class allotted: 4 periods per week Mon,Tue,Wed,Thu		Semester: From Date: 14-02-2023 To Date: 23-05-2023 No. Of Weeks: 15weeks
Week	Class Date		Topics to be covered
1st	14.02.2023	1	(SYLLABUS DISCUSSION)
	15.02.2023	1	1.1 Objectives and Explain functions of operating system
	16.02.2023	1	1.1 Objectives and Explain functions of operating system
2nd	20.02.2023	1	1.2 Evolution of Operating system
	21.02.2023	1	1.3 Structure of operating system
	22.02.2023	1	2. PROCESS MANAGEMENT
	23.02.2023	1	2.1 Process concept
3rd	27.02.2023	1	2.1 process control
	28.02.2023	1	2.1 interacting process, inter process messages.
	01.03.2023	1	2.2 Implementation issues of Processes.
	02.03.2023	1	2.3 Process scheduling
4th	06.03.2023	1	2.3 job scheduling
	09.03.2023	1	2.4 Process synchronization
5th	13.03.2023	1	2.4 semaphore
	14.03.2023	1	Assignment cum Revision
	15.03.2023		
	16.03.2023	1	2.5 Principle of concurrency
6th	20.03.2023	1	2.5, types of scheduling
	21.03.2023	1	
	22.03.2023	1	3. MEMORY MANAGEMENT
	23.03.2023	1	3.1 Memory allocation Techniques
		1	3.1 Contiguous memory allocation
7th	27.03.2023	1	3.1 non contiguous memory allocation
	28.03.2023	1	3.2 Swapping
		1	3.3 Paging
		1	3.3 Segmentation
		1	3.3 virtual memory using paging,
		1	3.3 virtual memory using paging,
		1	3.4 page fault handling

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	29.03.2023		Assignment cum Revision
8th	03.04.2023		Class Test 1
	04.04.2023		4. DEVICE MANAGEMENT 4.1 Techniques for Device Management <ul style="list-style-type: none"> • Dedicated • Shared • virtual
	05.04.2023		4.1 Techniques for Device Management <ul style="list-style-type: none"> • Dedicated • Shared • virtual
	06.04.2023		4.2 Device allocation considerations I/O traffic control
9th	10.04.2023		4.2 I/O Schedule
	11.04.2023		4.2 I/O Device handlers
	12.04.2023		4.3 SPOOLING
	13.04.2023		Assignment cum Revision
10th	17.04.2023		5. DEAD LOCKS 5.1 Concept of deadlock
	18.04.2023		5.2 System Mode
	19.04.2023		5.3 Dead Lock Detection
	20.04.2023		5.4 Resources allocation Graph
11th	24.04.2023		5.5 Methods of Deadlock handling
	25.04.2023		Internal Test
	26.04.2023		Internal Test
	27.04.2023		Internal Test
12th	01.05.2023		5.6 Recovery & Prevention Deadlock
	02.05.2023		5.6 Explain Bankers Algorithm & Safety Algorithm
	03.05.2023		6. FILE MANAGEMENT 6.1 File organization Directory & file structure sharing of files
	04.05.2023		6.2 File access methods file systems, reliability
13th	08.05.2023		6.3 Allocation of disk space
	09.05.2023		6.4 File protection, secondary storage management.
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			management
	11.05.2023		7.0 SYSTEM PROGRAMMING 7.1 Concept of system programming and show difference from Application Compiler:
14th	15.05.2023		7.2 Compiler , functions of compile
	16.05.2023		7.3 Compare compiler and interprete
	17.05.2023		7.4 Seven phases of compiler, brief description of each phase
	18.05.2023		Revision classes
15th	22.05.2023		Previous year question discussion
	23.05.2023		Doubt clearing class