





**SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY**  
**LESSON PLAN (SUMMER 2024)**

Discipline- COMPUTER SCIENCE & ENGINEERING	Semester-4th	Name of teaching faculty- Susovan Sarkar
Subject- OPERATING SYSTEM	No of days/ per week class allotted-4	Semester from date- 16.01.2024 to 26.04.2024 No of weeks-16
Week	Class day	Theory Topics
JAN 3RD	16.01.2024	INTRODUCTION-Objectives and functions of operating system.
	17.01.2024	Evolution of Operating system
	18.01.2024	Structure of operating system
JAN 4TH	22.01.2024	PROCESS MANAGEMENT-Process concept, process control
	23.01.2024	interacting processes, inter process messages
	24.01.2024	Implementation issues of Processes
	25.01.2024	Process scheduling
JAN 5TH	29.01.2024	Job scheduling
	30.01.2024	Process synchronization,
	31.01.2024	Semaphore
FEB 1ST	01.02.2024	Principle of concurrency,
FEB 2ND	05.02.2024	types of scheduling
	06.02.2024	Doubt clearing class
	07.02.2024	class test
	08.02.2024	MEMORY MANAGEMENT-Memory allocation Techniques
FEB 3RD	12.02.2024	Contiguous memory allocation
	13.02.2024	non contiguous memory allocation
	15.02.2024	Swapping,
FEB 4TH	19.02.2024	Paging
	20.02.2024	Paging
	21.02.2024	Segmentation,
	22.02.2024	virtual memory using paging
FEB 5TH	26.02.2024	Demand paging,
	27.02.2024	page fault handling
	28.02.2024	class test
	29.02.2024	DEVICE MANAGEMENT-Techniques
MAR 2ND	04.03.2024	DEVICE MANAGEMENT-Techniques
	05.03.2024	Dedicated,
	06.03.2024	shared
	07.03.2024	virtual
MAR 3RD	11.03.2024	Device allocation considerations
	12.03.2024	I/O traffic control & I/O Schedule
	13.03.2024	I/O Device handlers
	14.03.2024	SPOOLING
MAR 4TH	18.03.2024	class test
	19.03.2024	DEAD LOCKS
	20.03.2024	Concept of deadlock
	21.03.2024	System Model
MAR 5TH	25.03.2024	Dead Lock Detection
	27.03.2024	Resources allocation Graph
	28.03.2024	Methods of Deadlock handling
APR 1ST	02.04.2024	Deadlock Recovery & Prevention
	03.04.2024	Bankers Algorithm
	04.04.2024	Safety Algorithm
	05.04.2024	Doubt clearing class

APR 2ND	08.04.2024	class test
	09.04.2024	FILE MANAGEMENT
	10.04.2024	File organization
	11.04.2024	Directory & file structure
	12.04.2024	sharing of files
APR 3RD	15.04.2024	File access methods
	16.04.2024	file systems, reliability
	17.04.2024	Allocation of disk space
	18.04.2024	File protection,
	19.04.2024	secondary storage management
APR 4TH	22.04.2024	SYSTEM PROGRAMMING-Concept of system programming
	23.04.2024	difference from Application Compiler
	24.04.2024	Compiler , functions of compiler
	25.04.2024	compiler and interpreter
	26.04.2024	Seven phases of compiler & brief description of each phase

Total no. of Classes: 60  
 No. of Theory Classes: 35  
 No. of Tutorial Classes: 5  
 No. of Digital Classes: 10  
 No. of PPT Classes: 10

  
 14/01/24  
 H.O.D. H.O.D  
 Computer Science & Engineering  
 S.V.S.E.T., Madanpur

  
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