




SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY
LESSON PLAN (SUMMER 2023)

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- 14.02.2023 to 23.05.2023 No of weeks-16
Week	Class day	Theory Topics
FEB 3RD	14.02.2023	INTRODUCTION-Objectives and functions of operating system.
	15.02.2023	Evolution of Operating system
	16.02.2023	Structure of operating system
FEB 4TH	20.02.2023	PROCESS MANAGEMENT-Process concept, process control
	21.02.2023	interacting processes, inter process messages
	22.02.2023	Implementation issues of Processes
FEB 5TH	23.02.2023	Process scheduling
	27.02.2023	Job scheduling
MAR 1ST	28.02.2023	Process synchronization,
	01.03.2023	Semaphore
MAR 2ND	02.03.2023	Principle of concurrency,
	06.03.2023	types of scheduling
	07.03.2023	Doubt clearing class
	08.03.2023	class test
MAR 3RD	09.03.2023	MEMORY MANAGEMENT-Memory allocation Techniques
	13.03.2023	Contiguous memory allocation
	14.03.2023	non contiguous memory allocation
	15.03.2023	Swapping,
MAR 4TH	16.03.2023	Paging
	20.03.2023	Paging
	21.03.2023	Segmentation,
MAR 5TH	22.03.2023	virtual memory using paging
	23.03.2023	Demand paging,
	27.03.2023	page fault handling
	28.03.2023	class test
APR 2ND	29.03.2023	DEVICE MANAGEMENT-Techniques
	30.03.2023	DEVICE MANAGEMENT-Techniques
	03.04.2023	Dedicated,
	04.04.2023	shared
APR 3RD	05.04.2023	virtual
	06.04.2023	Device allocation considerations
	10.04.2023	I/O traffic control & I/O Schedule
	11.04.2023	I/O Device handlers
APR 4TH	12.04.2023	SPOOLING
	13.04.2023	class test
	17.04.2023	DEAD LOCKS
	18.04.2023	Concept of deadlock
APR 5TH	19.04.2023	System Model
	20.04.2023	Dead Lock Detection
	24.04.2023	Resources allocation Graph
	25.04.2023	Methods of Deadlock handling
	26.04.2023	Deadlock Recovery & Prevention
	27.04.2023	Bankers Algorithm

MAY 1ST	01.05.2023	Safety Algorithm
	02.05.2023	Doubt clearing class
	03.05.2023	class test
	04.05.2023	FILE MANAGEMENT
	05.05.2023	File organization
MAY 2ND	06.05.2023	Directory & file structure
	08.05.2023	sharing of files
	09.05.2023	File access methods
	10.05.2023	file systems, reliability
	11.05.2023	Allocation of disk space
MAY 3RD	15.05.2023	File protection,
	16.05.2023	secondary storage management
	17.05.2023	SYSTEM PROGRAMMING-Concept of system programming
MAY 4TH	18.05.2023	difference from Application Compiler
	22.05.2023	Compiler , functions of compiler
	23.05.2023	compiler and interpreter
	24.05.2023	Seven phases of compiler
	25.05.2023	brief description of each phase
	26.05.2023	brief description of each phase

Total no. of Classes: 62
 No. of Theory Classes: 37
 No. of Tutorial Classes: 5
 No. of Digital Classes: 10
 No. of PPT Classes: 10


 H.O.D. H.O.D.
 Computer Science & Engineering
 S.V.S.E.T., Madanpur


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