LESSON PLAN
Session (2024-2025)

Class: B.C.A 5ᵗʰSEM　　　　　　　　**Name of the Teacher: Prof.Shilpa Soni**
Subject: Operating System
Course: BCA-0501　　　　　　　　　**Room No: 261**

S. No	Dates	Topics to be covered
Admission	20-05-2024 to 10-06-2024	Admissions
Week1	18-07-2024 to 20-07-2024	Orientation programme.
Week 2	22-07-2024 to 27-08-2024	Multi Programming, Time Sharing, Real Time Systems, Multiprocessor Systems, Batch Processing, Simple User
Week 3	29-07-2024 to 03-08-2024	Multi User, Operating System Functions And Characteristics.
Week 4	05-08-2024 to 10-08-2024	Processor Management: Process Overview, Process States
Week 5	12-08-2024 to 17-08-2024	Process State Transitions, Process Control Block, Operations On Processes, Suspend And Resume, Interrupt Processing,
Week 6	19-08-2024to 24-08-2024	Scheduling Algorithms, Multiple Processor Scheduling.
Week 7	26-08-2024 to 31-08-2024	Deadlock: Deadlock Problem, Deadlock, Deadlock Characterization, Necessary Conditions, Deadlock Prevention,
Week 8	02-09-2024 to 07-09-2024	Deadlock Avoidance, Deadlock Detection, Recovery From Deadlock.
Week 9	09-09-2024 to 04-09-2024	Allocation Method (Free Space Management, Contiguous, Linked, Indexed)
Week 10	16-09-2024 to 21-09-2024	Memory Management: Partition, Paging
Week 11	23-09-2024 to 28-09-2024	Swapping, Multiple Partition, Virtual Memory, Demand Paging
Week 12	30-09-2024 to 05-10-2024	Minor Test
Week 13	07-10-2024 to 12-10-2024	File Management: File Types, Operation On Files, Memory Management.
Week 14	14-10-2024 to 19-10-2024	File Support, Access Methods, Sequential Access, Direct Access, Index,
Week 15	21-10-2024 to 28-10-2024	External fragmenation
Week 16	29-10-2024to 02-11-2024	Diwali Break
Week 17		Final exam and practicals