

**Lab Manual**  
**CS: 5511 Operating Systems**  
**Class: M.Sc. (CS & IT) – I Semester**

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1. Study of different types of Operating Systems.
2. DOS Commands.
3. Implement the first come first serve CPU scheduling algorithm.
4. Implement the shortest job first non-preemptive CPU scheduling algorithm.
5. Implement the shortest job first preemptive CPU scheduling algorithm.
6. Implement the round robin CPU scheduling algorithm.
7. Implement the Priority CPU scheduling algorithm.
8. Implement First fit memory allocation method.
9. Implement Best fit memory allocation method.
10. Implement Worst fit memory allocation method.
11. Implement FIFO page replacement algorithm.
12. Implement LRU page replacement algorithm.
13. Implement First Come First Come (FCFS) Disk scheduling algorithm.
14. Implement Shortest Seek Time First Disk (SSTF) scheduling algorithm.
15. Implement SCAN Disk scheduling algorithm.
16. Implement LOOK Disk scheduling algorithm.