

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(AI&ML)

II Yr -I OPERATING SYSTEMS LAB

List of Experiments:

1. Simulate the following CPU Scheduling Algorithms using C program:
 - a. FCFS
 - b. SJF
2. Simulate the following CPU Scheduling Algorithms using C program:
 - a. Priority
 - b. Round Robin
3. Write a C program to implement the producer-consumer problem using semaphores.
4. Write a C program for implementing memory allocation method for fixed partition using First fit.
5. Write a C program for implementing memory allocation method for fixed partition using Best fit
6. Write a C program for implementing memory allocation method for fixed partition using Worst fit
7. Simulate Paging Technique of Memory Management using C program.
8. Write a program to implement FCFS page replacement algorithm
9. Write a program to implement Optimal page replacement algorithm
10. Write a program to implement LRU page replacement algorithm
11. Write a C program to simulate the following file allocation strategies.
 - a) Sequential
 - b) Indexed
 - c) Linked
12. Write a program to implement Banker's algorithm for deadlock avoidance.

