Operating Systems

LAB 06

Objective: Understand Memory Management

Exercise 1 – Paging Algorithm
• Write a C program to simulates Paging
Exercise 2 – Segmentation Algorithm
• Write a C program to simulates Segmentation
Exercise 4 – Other Techniques
4.1 Simulate the following memory management techniques
• MVT(Multiprogramming with a Variable number of Tasks)
• MFT (Multiprogramming with a Fixed number of Tasks)
4.2 Simulate the following contiguous memory allocation techniques
• Worst-fit
• Best-fit
• First-fit
Exercise 5 – Simulate the following page replacement algorithms

• NRU (Not Recently Used)	• NFU(Not Frequently Used)
• FIFO (First-In, First-Out)	• Aging
• Second Chance	• Working Set
• Clock	• WSClock (Working Set Clock)
• LRU (Least recently Used)	