

## **Operating System (Remaining Lab)**

**CSIT 4<sup>th</sup> Semester**

**Assigned Date 12 Dec 2024**

**Lab(6-7-8) Deadline 15 Aug 2025**

**Lab (9,10,11,12) Deadline last Aug 2025**

6. To implement deadlock Avoidance Algorithms. (Bankers Algorithms)
7. To Implement Memory Allocation Techniques.
  - a. First Fit
  - b. Best Fit
  - c. Worst Fit
8. To Implement Free Space Management Techniques
  - a. Bit Vector
  - b. Linked List
9. To implement Page Replacement Algorithms
  - a. FIFO
  - b. LRU
  - c. Optimal Page Replacement Algorithms
  - d. Second Chance Page Replacement Algorithms
10. To Simulate File allocation techniques
  - a. Sequential File allocation technique
  - b. Linked File allocation technique
  - c. Indexed File allocation technique
11. To implement Disk Scheduling Algorithm
  - a. FCFS
  - b. SSTF
  - c. SCAN
  - d. C-SCAN
  - e. LOOK
  - f. C-LOOK
12. Case Study of Linux (Basic Commands)

### **Note:**

**Please follow the same format as given earlier.**

**!!!Thank You!!!!**