**Assignment 7**

1. **Develop Application using Inter-Process-Communication (Using shared memory, pipes or message queues).**

**MESSAGE QUEUE :**

**Aim :**

To write a C Program to implement interprocess communication using message Queues

**Algorithm:**

1. Start the program
2. Create a message queue using msgget system call
3. If the message queue,is not created goto Step1
4. Copy the string “Hai’ to mtext
5. Create a child process
6. If the Child process is successfully created then send the message otherwise go to step 8
7. If the parent process got the focus receive the message sent by the child
8. Stop the Program

**Result:**

The program for inter process communication using message Queues was implemented and hence verified.

**PIPE**

**Aim** :

To write a C Program to implement interprocess communication using Pipe

**Algorithm**:

1. Start the program
2. Create a pipe using pipe() system call
3. Create a child process.If the child process is created successfully then write the message into the queue otherwise goto step2
4. Read the message from the pipe and display the message
5. Stop the program

**Result :**

**INTERPROCESS COMMUNICATION USING SHARED MEMORY**

**Aim**

To write a program to implement a shared memory

**Algorithm**

1. Start the Program

2. Declare the size and data variables

3. Get the number of processes to be inserted

4. Get the value

5. Start and identify the process with process id

6. Make a common function to communicate with each process running in

shared memory

7. Make the variables and arguments to be a global while in communication

8. Write a separate routine for creating memory delete memory in separate region

9. Give permission that a process can kill shared memory

10. Display the values

11. Stop the program

**Result**

The program for creation of shared memory was implemented and hence verified.

1. Write a program to implement the Bankers Algorithm.