

Indian Institute of Information Technology, Allahabad

Course: Computer Networks

Batch: B. Tech. (IT) – 4th Semester

Lab Assignment #4

Deadline: 13/02/2024

Instructor: Dr. Vijay K. Chaurasiya

Note: Implement the programs in C and Python.

1. Write a client-server program that provides asynchronous chat facility. Your application allows a user on one machine to type in and send text to a user on another machine. Your application should provide non-blocking chat facility to the users. This means, user can send any number of messages at any time without waiting for replay from the other side. Hint: You may utilize the following calls to realize the above problem:

- **select()** or
- **fork()** or
- **fcntl()**

Please see the details of the above calls and choose the suitable call as per your convenience.