

# Computer Networks, Winter 2024

## Lab 3 Instructions

### Part-I. Mandatory Component

1. Learn to transfer files over LAN using Ethernet and WiFi
2. Fetch `clinet.c` and `server.c`, compile them and use the compiled application for chatting to your classmates

**Lab Notebook:** Record the methods used for the task. Due date: Jan 16, 2024

Upon completing these, contact a TA and get your work checked.

### Part-II. Graded Component. Performance measurements

Measure the data rate of a file transfer between two computers connected by Ethernet and WiFi. For extra credit do the same over Bluetooth and USB tethered hosts. For this part transfer a large file such that time measurement errors don't have significant impact on data rate calculations.

**Lab Notebook:** Describe the method used, show the measurements as bar chart and explain them. Submission date: Jan 23, 2024. Get the grades for this part by Friday, January 26.