

Computer Networks

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.

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. Get the grades from TAs for this part within a week.