

Assignment 3: Implement 1-persistent, non-persistent and p-persistent CSMA techniques.

Due on: 18th - 22nd September 2023 (in your respective lab classes)

Report submission due on: 24 September 2023

Use the same sender-receiver design as previous assignments.

In this assignment, you have to implement 1-persistent, non-persistent and p-persistent CSMA techniques. Measure the performance parameters like throughput (i.e., average amount of data bits successfully transmitted per unit time) and forwarding delay (i.e., average end-to-end delay, including the queuing delay and the transmission delay) experienced by the CSMA frames (IEEE 802.3). Plot the comparison graphs for throughput and forwarding delay by varying p . State your observations on the impact of performance of different CSMA techniques.