

## NETWORK SIMULATION

### LABWORK 3 Building Topologies (Part 1)

#### Labwork 3:

##### Bus network topology

- Building a bus network topology of 3 nodes (0, 1, 2) on a LAN using CSMA channel
- Implement scenario of node 0 is a client and node 2 is an echo server. They exchange 100 packets within 10s. Capture the pcap trace from node 1.
- Create a topology of "n" CSMA devices. Implement the scenario of  $n=5$ , on which there are 2 pairs of client-server (0-2) and (1-3) exchanging packets at the same time. Each pair exchanges 10 packets/s. Run the simulation for 10s.

