PG - M.E CSE I - Semester I

CP3154 NETWORKING TECHNOLOGIES

SUGGESTED LIST OF EXPERIMENTS:

1. Configure networks using: a. Distance Vector Routing protocol b. Link State Vector Routing protocol

2. Implement the congestion control using Leaky bucket algorithm.

3. Installation of NS3.

4. Implementation Point to Point network using duplex links between the nodes. Analyze the packet transfer by varying the queue size and bandwidth. (using simulator)

5. Implement the dynamic routing protocol by varying the CBR traffic for each node and use a flow monitor( ) to monitor losses at nodes. (using simulator)

6. Create a wireless mobile ad-hoc network environment and implement the OLSR routing protocol. (using simulator)

7. Implement CDMA by assigning orthogonal code sequence for 5 stations, generate the CDMA code sequence and communicate between the stations using the generated code.

8. Create a GSM environment and implement inter and intra handover mechanisms. (using simulator)

9. In LTE environment implement Round Robin and Token Bank Fair Queue scheduler in MAC layer.

10. Write python script to create topology in Mininet and configure OpenFlow switches with POX controller to communicate between nodes.