

National Institute of Technology Calicut
Department of Computer Science and Engineering

Winter Semester 2020 – 2021
CS3093D: Networks Laboratory

Question for Experiment No. 10

Consider a wifi network in your lab, there is one access point, and two or more base stations are there. The wifi access point is stationary (fix the coordinates 100,100), and one among the mobile wireless node is periodically transmitting a message to the other mobile wireless nodes. Remember, the mobile wireless node can communicate to the Access Point(AP) within a fixed range. Beyond that range, the base station can't communicate to the Access Point. Simulate this scenario in the [NS3 simulator](#), change the position of a mobile wireless node to indicate the node is losing connection with the Access Point when it moves out of the coverage range. Find out the maximum distance at which two-way communication possible and the maximum range of Access Points (values in meters).