

Course – Section	Computer Networks (CS3001 - Fall 2023) – BDS-7B
Assignment Num.	05
Total Marks	30
Start Date	3-December-2023
Due Date/Time	7-December-2023
Author	Muhammad Hashim Bilal Qureshi (l201219@lhr.nu.edu.pk)
Teacher	Ms. Umme Ammarah (umme.ammarah@nu.edu.pk)
Submission Guidelines	<ul style="list-style-type: none"> - <i>Please do the work by yourself, this is an individual assignment.</i> - <i>Plagiarism cases will be dealt with strictly.</i>

1. Implement Link State routing algorithm (Dijkstra’s Algorithm) in C/C++, Java, or Python. You must also show the forwarding table and MST (Minimum Spanning Tree) obtained from the algorithm.

(10 marks)

2. Implement CRC (Cyclic Redundancy Check) in C/C++, Java, or Python.

(10 marks)

3. Implement Polling algorithm in “Taking Turn” MAC Protocols in C/C++, Java, or Python.

(10 marks)

