National University of Computer and Emerging Sciences

Computer Networks– Spring 2023

Assignment 3

Due Date: 11th May 2023

Marks: 100

Note:

- **This is group assignment. Each group can have a maximum of 2 students (Same group as in Assignment 1)**
- **All assignments will be marked zero, if assignment submission found plagiarized.**

In this assignment, you are required to implement live packet capturing code in any of the given languages i.e. Java/C#/python/C++ and the output should have details of each field is every header in the captured packets (real time). For the implementation you are free to use already build packet capturing libraries/codes and modify them for your use. Remember to add reference of the code you are selecting and modifying for your assignment.

Deliverables

- **A report explaining the implementation/code and screenshots.**
- **A screen recording explaining the implementation/code showing the functionality (10 minutes)**
- **Code**

Submission

- **Upload all three deliverables on Google drive and Copy the link of Google drive in a txt file and then upload the txt file as a submission on Google classroom.**

Rubric

- **Report having proper explanation, screenshots and constraints – 35 marks**
- **Recorded video - 35 marks**
- **Code (Fully Functional) - 30 marks**