

National University of Computer and Emerging Sciences

Computer Networks– Spring 2023

Assignment 2

Due Date: 2nd April 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 your own designed network (done in assignment 1) in Cisco Packet Tracer. Your network must have

- DHCP
- DNS
- Web Server (www.name1name2.com)
- Properly functional VLANs between different departments

Deliverables

- A report explaining the implementation and constraints if any
- A screen recording explaining the network , showing the functionality (10 minutes)
- Cisco packet tracer project file

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 – 30 marks
- Recorded video (12 marks each)
 - Fully Functional Network
 - DHCP Implemented and Functional
 - DNS Implemented and Functional
 - Web Server
 - VLANs
- Cisco packet tracer project file (Fully Functional) - 10 marks