

**Department of Computer Engineering**  
**TE Computer-A (2020-21 Sem I)**  
**Computer Networks**  
**Practical Assignment 3 [Max Marks: 10]**

**Instructions:**

**Software Required**

- **OS: Linux (Ubuntu/Fedora)**
- **Language: C/C++**
- **Tool: Wireshark**

Upload files **with comments**

**Example: RollNo\_3\_Server.cpp and RollNo\_3\_Client.cpp RollNo\_3.cap (Wireshark capture file)**

Total No. of files required=7 (2 .cpp files for Server and client + RollNo\_3output.pdf (screen shots of output+wireshark screenshots) + 3 input files for file transfer (a text file, an audio file and a video file))+1 Wireshark capture file)

**Assignment Questions:**

**Lab Assignment on Unit V: (Mandatory Assignment) (Use C/C++)**

Write a program using UDP Sockets to enable file transfer (Script, Text, Audio and Video one file each) between two machines. Demonstrate the packets captured traces using Wireshark Packet Analyzer Tool for peer to peer mode.

**Rubrics for Evaluation (Example)**

Question No.	Criteria	Best [4]	Good [3]	Average [2]	Poor [1]
<b>Q1</b> <b>[10 marks]</b>	Completeness [4]	Perfect	Can be better	Satisfied	Poor
	Uniqueness [3]	Perfect	Can be better	Satisfied	Poor
	Documentation/Comments [3]	Perfect	Can be better	Satisfied	Poor

Prof Nikita Singhal  
(Subject Incharge)

DR SR Dhore  
(HoD)