## DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY

# Semester 5th | Practical Assignment | Computer Networks (2101CS501)

Date: 02/10/2023

#### Lab Practical #08:

Study Packet capture and header analysis by Wireshark(TCP,UDP,IP).

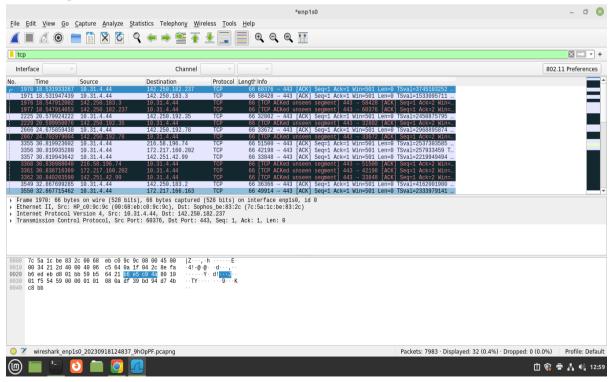
## **Practical Assignment #08:**

## 1. Explain usage of Wireshark tool.

- Wireshark is an open-source packet analyzer, which is used for education, analysis, software development, communication protocol development, and network troubleshooting.
- It is used by network security engineers to examine security problems.
- It allows the users to watch all the traffic being passed over the network.
- It is used by network engineers to troubleshoot network issues.
- It also helps to troubleshoot latency issues and malicious activities on your network.
- It can also analyse dropped packets.
- It helps us to know how all the devices like laptop, mobile phones, desktop, switch, routers, etc., communicate in a local network or the rest of the world.

# 2. Packet capture and header analysis by Wireshark (TCP, UDP, IP).

**TCP** 



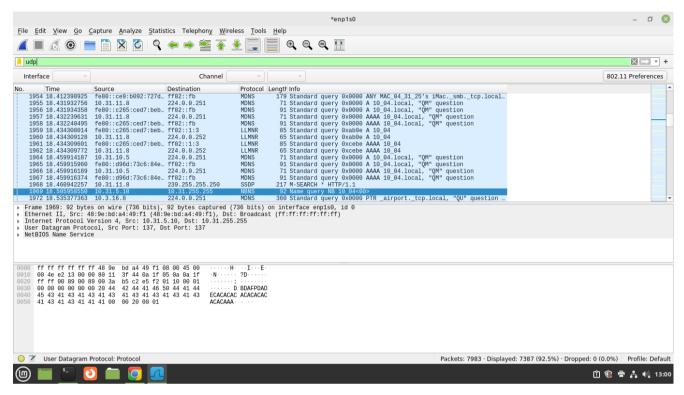


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## **UDP**



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