## DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY

# Semester 5th | Practical Assignment | Computer Networks (2301CS501)

Date: 13 / 08 / 2025

### Lab Practical #09:

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

# **Practical Assignment #09:**

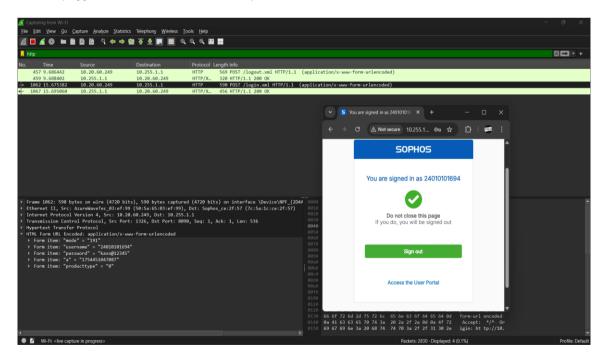
- 1. Explain usage of Wireshark tool.
- 2. Packet capture and header analysis by Wireshark (HTTP, TCP, UDP, IP, etc.)

#### Ans-1:

Wireshark is a free open-source tool that analyzes network traffic in real-time for Windows, Mac, Unix, and Linux systems. It captures data packets passing through a network interface (such as Ethernet, LAN, or SDRs) and translates that data into valuable information for IT professionals and cybersecurity teams.

#### Ans-2:

**HTTP (Hypertext Transfer Protocol)** 



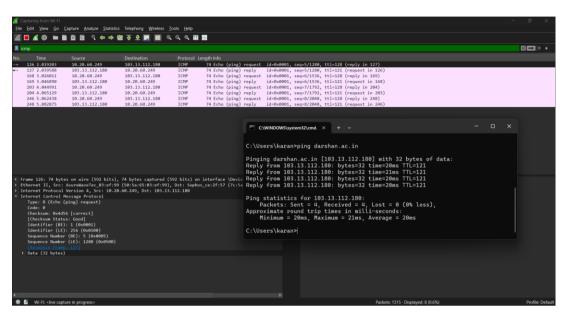


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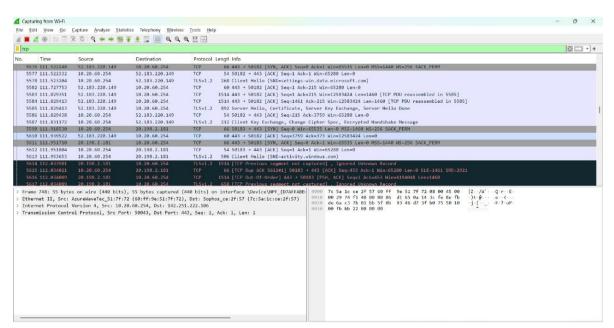
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**IP (Internet Protocol)** 



**TCP (Transmission Control Protocol)** 





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**UDP (User Datagram Protocol)** 

